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ANNALS

OF

THE ASTRONOMICAL OBSERVATORY OF HARVARD COLLEGE

VOLUME XLVII — PART I

A PHOTOGRAPHIC STUDY OF VARIABLE STARS

FORMING A PART OF

THE HENRY DRAPER MEMORIAL

PREPARED BY

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UNDER THE DIRECTION OF

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CAMBRIDGE, MASS.
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PREFACE.

THE present volume contains the first large collection of sequences of comparison stars for studying variables photographically. Mrs. Fleming has selected and measured the positions of a sequence of such stars for each of 222 variables discovered here by her, or under her direction. The identifications, positions, and photographic magnitudes of these stars are contained in Part I. An attempt was made to select stars each two or three tenths of a magnitude brighter than the next in the sequence, the brightest being brighter than the variable at maximum and the faintest fainter than the variable at minimum. At the time this work was undertaken, no good method existed for determining photographic magnitudes. As it was necessary to adopt some system, the measures of brightness were reduced by means of visual magnitudes. A satisfactory method of reducing these magnitudes to a uniform scale has now been adopted here, and it is hoped to supply a means of making this reduction, in Part II of this volume.

Valuable aid was rendered in the measurements, identifications, and computations, by Misses E. F. Leland, L. D. Wells, S. E. Breslin, M. A. Gill, and M. C. Stevens.

EDWARD C. PICKERING,
Director of Harvard College Observatory.

CAMBRIDGE, U. S., *January 6, 1907.*

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A PHOTOGRAPHIC STUDY OF VARIABLE STARS.

THE examination of the photographs of the Henry Draper Memorial has led to the discovery of a large number of variable stars of long period. The greater portion of these has been found from the characteristic spectrum, Md, which indicates the third type traversed by bright hydrogen lines. While many variable stars of long period have spectra of the fourth type, and a few have spectra of the third type in which the hydrogen lines are not bright in the photographs, no case has yet been found in which a star having the spectrum, Md, described above, is not variable. The number of these stars, and the fact that many of them were too far south for observation in Cambridge, rendered it necessary that their positions and variations in light should be determined photographically. The collection of photographs stored at Cambridge furnished excellent means for doing this. When a new variable is discovered in any portion of the sky we generally have from one to two hundred photographs of the region from which its position and brightness can be determined. The methods employed have been described in Volume XXVI, Chapters XII and XIII. When a star was found whose spectrum was of the third type having also bright hydrogen lines, the photograph was laid upon the corresponding chart of the Durchmusterung, and the approximate position was read. It was then looked for in a card catalogue in which all known variables had been entered. When the star was not contained in this catalogue, about a dozen chart plates of the region were selected, and the image of the object was compared with those of adjacent stars on each plate. When the evidence of variability was unmistakable, the Director was asked to confirm it. This he did in writing, after examining a sufficient number of plates to satisfy himself that the change in magnitude was real. Several plates were demanded on which the variable was bright, and several on which it was faint, so that a defect in any one could not cause mistake. If the the star was not contained in the Durchmusterung, its approximate position was measured as described in Volume XXVI, p. 228, the correction for orientation and scale being applied graphically.

To determine the variations in brightness a sequence of comparison stars was selected, each differing by about half a magnitude or less from the next, the brightest being brighter than the variable at maximum, and the faintest being fainter than the variable at minimum. The positions of these stars were next determined by laying upon the photograph a glass plate ruled in squares one millimetre on a side, and estimating the position of each star and that of the variable in twentieths of a millimetre. Six estimates were made of the position of the variable, and two of each of the comparison stars. The differences, found by subtracting the mean of the position of the variable from that of each star, were then reduced to seconds of arc by multiplying by the scale of the photograph which is 0.1 cm. = 179″, in the case of the Bache Telescope, and 0.1 cm. = 163″ in the case of the 8-inch Draper Telescope. The coördinates thus found have not been corrected for error in orientation or in scale, due to differential refraction and other causes. The measures of adjacent catalogue stars give the means of applying these corrections if required, and for determining the right ascensions and declinations. It is believed, however, that for purposes of observation either visually or photographically, the rectangular coördinates will prove more convenient in the case of the fainter stars.

No satisfactory method has yet been devised for determining the absolute photographic magnitudes of the stars. This is especially the case with the fainter stars, and the errors and uncertainties of this portion of the scale may still be large. On the other hand, the relative brightness of different stars, even if faint, can be determined with great accuracy by the method of Argelander. This is shown in Volume XXXVIII of these Annals. If, then, the magnitudes can be obtained upon a scale consistent with itself, they can be reduced without difficulty to an absolute scale, when hereafter such a scale can be determined. Accordingly, the method described in Volume XXVI, p. 251, has been used. It is only necessary here to adopt provisional magnitudes for the stars of the sequences described above, and later, when the true magnitudes of the stars composing them can be determined, a correction can be readily applied to all the magnitudes of the variables based upon them. Four plates were selected on which the images of the stars are small and round. These images were then compared with scales cut from Plate B 2185, and described in Volume XXVI, p. 52. Images were formed of each star, with the exposures 729^s, 243^s, 81^s, 27^s, 9^s, and 3^s, and scales were thus made with which it was easy to compare the images of stars on other plates. To avoid injury, these scales were protected with thin cover glass, and wire handles attached to them. The ratio of the times of exposure was three, instead of two and a half, to allow for the longer relative exposure required when the light is faint. To eliminate systematic differences in the different plates, the means of the intervals between the successive stars in the sequence were used instead of the readings themselves. Assuming the brightness of the first star as zero, that of the others was found by successively adding those intervals. Measures were thus obtained on a scale which was purely arbitrary as regards its zero. For stars north of declination —2°, and contained in the Durchmusterung, the magnitudes were taken from that catalogue, and reduced to the photometric scale by adding 0.1 to the magnitudes 7.8 to 8.2 inclusive, 0.2 to the magnitudes 8.3 to 8.9, 0.3 to 9.0, 0.4 to 9.1, 0.5 to 9.2, 0.6 to 9.3, 0.8 to 9.4, and 1.0 to 9.5. This scale is based upon the measures discussed in Volume XIII, p. 356. For stars south of —2°, the catalogue magnitudes taken from the Southern Bonn Durchmusterung and the Cordoba catalogues have been used without correction, since at the time this rule was adopted no reduction had been made of these magnitudes to the photometric scale. The difference was next taken between the two magnitudes thus derived for each catalogue star, and the mean of these differences applied to all the measured magnitudes gave the adopted magnitudes for all the stars of the sequence.

The measurements of the comparison stars are given in Table I. The approximate positions of the variables, for 1900, are given in the headings of the separate portions of the table. The designation of the comparison star is given in the first column. The catalogue number is given in the second column, and is followed by the corresponding magnitude, right ascension, and declination, in the third, fourth, and fifth columns. For stars north of declination — 23°, the Bonn Durchmusterung was, in general, used. For stars south of declination —23°, the Argentine General Catalogue and Cordoba Zone Catalogues were used. Later, the Cordoba Durchmusterung and Cape Photographic Durchmusterung were published, and have been used to supplement the other work. In general, stars from — 23° to — 52° have been taken from the first, and those south of — 52° from the last of these catalogues. Exceptions to these rules are given in the Remarks following the table. The epoch for the positions of the stars is, therefore, 1855 when the variable is north of declination — 23°, and 1875 when it is south of — 23°. The means of the estimated values of x and y are given in the sixth and seventh columns, and the corresponding residuals, expressed in hundredths of a millimetre, in the eighth and ninth columns. Negative values are indicated by Italics. The residuals from the first and second measures of the variable are given here, the other residuals will be found in Table II. The coördinates of the star, expressed in seconds of arc, are given in the tenth and eleventh columns. The position of the variable is taken as the origin of coördinates. In several cases, it was found necessary to extend the sequence of comparison stars, generally because the variable became fainter than was indicated by the earlier photographs. Positions for these stars were then found by measuring them, and also the variable and one star in the original sequence. A means of determining the orientation and origin of coördinates was thus provided. The additional measurements of the variable and comparison star will be found in Table III. It will be noticed that the origin of coördinates of the additional stars is not the same in the sixth and seventh columns as that of the original stars in the sequence. The deviations in right ascension and declination, between the observed and catalogue positions of the stars used in determining the place of the variable, are given in the twelfth and thirteenth columns. They are expressed in seconds of time and seconds of arc, and are found graphically from curves in which the abscissas equal the measured coördinates, and the ordinates equal the catalogue right ascensions and declinations. When no correction for orientation and scale was required, these deviations equal the differences found by subtracting the mean, which was adopted, from the individual values of the coördinates. The fourteenth column gives the interval between each star of the sequence and that following it, as determined by the photographic scale, and expressed in hundredths of a magnitude. The fifteenth column gives the residuals, expressed in tenths of a magnitude, found by subtracting this mean from the individual values. The sixteenth column gives the adopted magnitudes of the comparison stars, found as described above. Italics, in this column, indicate that the images of the stars were too faint to be measured with the scale, and the magnitudes were obtained by estimating the intervals between them by Argelander's method. This was also done in a few cases, when bright stars were added.

TABLE I.

COMPARISON STARS.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
1. V SCULPTORIS. R. A. $0^{h}\ 3^{m}.6$, Dec. −39° 47′.															
			h. m. s.	° ′					″	″	s.	″			
V	−39° 16	9.4	0 2 17.2	−39 55.5	*0.35*	3.80	00,00	00,00	0	0	. .	. .	. .	. . . .	. .
a	−39° 4	6.7	0 0 31.0	−39 34.3	*7.15*	10.65	00,00	00,00	−1217	+1226	. .	. .	58	0*1*00	7.04
b	−40° 15	7.6	0 2 37.8	−40 26.0	1.00	*6.60*	00,00	00,00	+ 242	−1862	. .	. .	40	0000	7.62
c	−39° 27	8.5	0 4 24.7	−39 28.3	7.98	12.80	02,*03*	00,00	+1491	+1611	. .	. .	30	0000	8.02
d	−39° 10	9.0	0 1 16.2	−39 23.0	*4.30*	14.48	00,00	*03*,02	− 707	+1912	. .	. .	50	0000	8.32
e	−40° 11	9.2	0 1 39.3	−40 18.7	*2.78*	*4.08*	*03*,02	*03*,02	− 435	−1411	. .	. .	52	1000	8.82
f	−39° 31	9.0	0 5 15.6	−39 55.5	11.15	3.65	00,00	00.00	+2058	− 27	. .	. .	35	*11*00	9.34
g	−39° 17	9.8	0 2 22.5	−39 59.1	0.20	2.58	00,00	*03*,02	+ 98	− 218	. .	. .	38	000*1*	9.69
h	−39° 6	9.8	0 0 37.1	−39 55.8	*6.68*	3.65	02,*03*	00,00	−1133	− 27	. .	. .	50	0000	10.07
k	−39° 8	9.9	0 1 0.2	−39 57.5	*5.20*	2.95	00,00	00,00	− 868	− 152	. .	. .	32	1000	10.57
l	. . . .	. .	. . . . . .	. . . . . .	1.30	2.80	00,00	00,00	+ 295	− 179	. .	. .	52	0010	10.89
m	. . . .	. .	. . . . . .	. . . . . .	*0.40*	3.30	00,00	00,00	− 9	− 90	. .	. .	12	1000	11.41
n	. . . .	. .	. . . . . .	. . . . . .	5.30	7.20	00,00	00,00	+ 20	+ 195	. .	. .	18	*1*000	*11.53*
o	. . . .	. .	. . . . . .	. . . . . .	2.10	9.08	00,00	*03*,02	− 553	+ 582	. .	. .	32	0100	*11.71*
p	. . . .	. .	. . . . . .	. . . . . .	2.70	4.68	00,00	*03*,02	− 446	− 256	. .	. .	15	*1*0*1*0	*12.03*
q	. . . .	. .	. . . . . .	. . . . . .	0.72	5.72	03,*02*	*02*,03	− 800	− 70	. .	. .	10	.0.0	*12.18*
r	. . . .	. .	. . . . . .	. . . . . .	0.20	6.25	00,00	00,00	− 893	+ 25	. .	. .	. .	. . . .	*12.28*
2. S SCULPTORIS. R. A. $0^{h}\ 10^{m}.3$, Dec. −32° 36′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	157	8.0	0 9 3.2	−32 44 26	2.95	10.41	00,00	04,*01*	0	0	. .	. .	. .	. . . .	. .
a	167	5.9	0 9 49.3	−32 8 25	6.25	22.42	00,00	03,*02*	+ 591	+2150	. .	. .	58	*1*0*22*	6.29
b	183	6.5	0 10 24.6	−33 22 57	8.55	*2.55*	00,00	00,00	+1002	−2320	. .	. .	52	1*1*10	6.87
c	148	2.2	0 8 34.5	−32 50 48	0.85	8.30	00,00	00,00	− 376	− 378	. .	. .	65	1*2*21	7.39
d	110	9.0	0 6 28.7	−32 35 39	*7.90*	13.40	00,00	00,00	−1942	+ 535	. .	. .	30	*1*001	8.04
e	−33° 64	9.0	0 9 12.6	−33 5.8	3.55	3.32	05,*05*	*02*,03	+ 107	−1269	. .	. .	68	*1*01*1*	8.34
f	−32° 71	9.4	0 9 36.5	−32 58.8	5.25	5.68	00,00	*03*,02	+ 412	− 847	. .	. .	68	100*2*	9.02
g	−32° 78	9.8	0 10 53.5	−32 57.0	10.70	6.25	00,00	00,00	+1387	− 745	. .	. .	45	1100	9.70
h	−32° 76	9.9	0 10 30.7	−32 47.3	9.20	9.40	00,00	00,00	+1119	− 181	. .	. .	55	11*22*	10.15
k	−32° 65	10.0	0 8 29.0	−32 45.0	0.55	10.28	00,00	02,*03*	− 430	− 23	. .	. .	43	.2*1*0	10.70
l	. . . .	. .	. . . . . .	. . . . . .	2.40	11.11	00,00	*01*,01	− 98	+ 125	. .	. .	47	.00*1*	11.13
m	. . . .	. .	. . . . . .	. . . . . .	5.75	8.30	00,00	00,00	+ 501	− 378	. .	. .	40	.▲. .	11.60
n	. . . .	. .	. . . . . .	. . . . . .	8.75	9.58	00,00	02,*03*	+1038	− 149	. .	. .	30	.▲. .	12.00
o	. . . .	. .	. . . . . .	. . . . . .	6.42	11.40	*02*,03	00,00	+ 621	+ 177	. .	. .	. .	. . . .	12.30
3. S TUCANAE. R. A. $0^{h}\ 18^{m}.4$, Dec. −62° 14′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−62° 28	9.3	0 17 10.9	−62 22.0	3.41	3.28	*01*,04	02,*03*	0	0	. .	. .	. .	. . . .	. .
a	0^{h} 430	8.0	0 16 11.0	−61 59 28	1.08	10.70	*03*,02	00,00	− 417	+1328	*0.3*	0	38	000*1*	8.14
b	0^{h} 382	9.0	0 14 37.4	−62 3 24	*2.65*	9.32	00,00	*02*,03	−1085	+1081	1.5	1	40	0000	8.52
c	0^{h} 537	8.5	0 20 12.8	−62 13 50	10.45	6.00	00,00	00,00	+1260	+ 487	2.1	0	32	0001	8.92

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
3. S TUCANAE. R. A. 0^h $18^m.4$, Dec. −62° 14′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
d	−62° 30	9.5	0 18 32.7	−62 23.0	6.60	2.80	00,00	00,00	+ 571	− 86	..	..	20	0000	9.24
e	0^h 368	9.5	0 14 4.8	−62 17 39	*3.75*	4.52	00,00	03,*02*	−1282	+ 222	*3.1*	*1*	25	0011	9.44
f	.. ..	..	.. .. ..	.. .. ..	*1.70*	2.25	00,00	00,00	− 915	− 184	..	..	42	0001	9.69
g	.. ..	..	.. .. ..	.. .. ..	0.72	5.65	*02*,03	00,00	− 482	+ 424	..	..	32	*1*011	10.11
h	.. ..	..	.. .. ..	.. .. ..	3.35	2.60	00,00	00,00	− 11	− 122	..	..	35	*1010*	10.43
k	.. ..	..	.. .. ..	.. .. ..	6.10	4.30	00,00	00,00	+ 482	+ 183	..	..	30	100*1*	10.78
l	.. ..	..	.. .. ..	.. .. ..	2.82	2.82	03,*02*	03,*02*	− 106	− 82	..	..	15	0*101*	11.08
m	.. ..	..	.. .. ..	.. .. ..	2.22	4.42	03,*02*	*02*,03	− 213	+ 204	..	..	10	0000	*11.23*
n	.. ..	..	.. .. ..	.. .. ..	1.35	6.48	00,00	02,*03*	− 369	+ 573	..	..	..	....	*11.33*
4. T PHOENICIS. R. A. 0^h $25^m.6$, Dec. −46° 58′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−47° 131	10.0	0 24 22.6	−47 6.1	4.75	10.70	00,00	00,00	0	0	..	..	..	....	..
a	0^h 637	9.0	0 23 55.2	−47 22 26	3.08	5.28	*03*,02	02,*03*	− 299	− 970	..	..	50	*1*001	8.75
b	0^h 638	9.0	0 23 55.8	−46 53 10	3.30	15.10	00,00	00,00	− 260	+ 788	..	..	48	*1*000	9.25
c	−46° 141	9.8	0 25 28.5	−46 58.5	8.60	13.28	00,00	*03*,02	+ 689	+ 462	..	..	38	0*1*00	9.78
d	.. ..	..	.. .. ..	.. .. ..	4.35	10.70	00,00	00,00	− 72	0	..	..	25	1010	10.11
e	−47° 134	9.9	0 25 1.6	−47 4.3	6.98	11.28	02,*03*	*03*,02	+ 399	+ 104	..	..	30	00*11*	10.36
f	−46° 130	10.0	0 23 22.4	−46 59.3	1.38	12.90	*03*,02	00,00	− 603	+ 394	..	..	28	00*1*0	10.66
g	−47° 141	10.0	0 26 2.5	−47 13.8	10.45	8.30	00,00	00,00	+1020	− 430	..	..	25	1001	10.94
h	−47° 128	10.0	0 24 10.6	−47 8.8	4.22	9.58	*02*,03	*03*,02	− 95	− 200	..	..	42	0100	11.19
k	.. ..	..	.. .. ..	.. .. ..	4.22	8.18	*02*,03	*03*,02	− 95	− 451	..	..	38	0*1*00	11.61
l	.. ..	..	.. .. ..	.. .. ..	4.28	8.52	*03*,02	*02*,03	− 84	− 390	..	..	38	000*1*	11.99
m	.. ..	..	.. .. ..	.. .. ..	4.58	11.12	*03*,02	03,*02*	− 30	+ 75	..	..	..	....	12.37
5. — TUCANAE. R. A. 0^h $54^m.2$, Dec. −75° 32′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	R	R	0 53 22.4	−75 40 30	7.40	8.22	00,00	03,*03*	0	0	..	..	..	....	..
a	869	6.6	0 50 51.0	−74 59 2	4.45	22.18	00,00	*03*,02	− 528	+2499	..	..	40	*2*011	7.63
b	833	7.8	0 48 53.3	−75 19 52	1.95	15.20	00,00	00,00	− 976	+1249	..	..	42	0010	8.03
c	0^h 1365	9.5	0 52 44.2	−76 5 0	6.48	0.05	02,*03*	00,00	− 165	−1462	..	..	42	*1*011	8.45
d	0^h 1252	9.0	0 47 58.0	−75 32 44	0.62	10.72	03,*02*	03,*02*	−1214	+ 448	..	..	65	102*1*	8.87
e	0^h 1462	9.5	0 56 48.0	−75 59 30	11.35	1.72	00,00	03,*02*	+ 707	−1164	..	..	42	*1*110	9.52
f	−75° 67	9.6	0 48 22.0	−75 58.1	1.25	2.35	00,00	00,00	−1101	−1051	..	..	45	1001	9.94
g	−75° 71	9.9	0 57 23.0	−75 27.7	12.60	12.35	00,00	00,00	+ 931	+ 739	..	..	28	0*1*00	10.39
h	.. ..	..	.. .. ..	.. .. ..	8.52	9.75	*02*,03	00,00	+ 200	+ 274	..	..	25	0200	10.67
k	.. ..	..	.. .. ..	.. .. ..	6.22	4.80	03,*02*	00,00	− 211	− 612	..	..	28	01*11*	10.92
l	.. ..	..	.. .. ..	.. .. ..	5.20	6.90	00,00	00,00	− 394	− 236	..	..	32	20*1*0	11.20
m	.. ..	..	.. .. ..	.. .. ..	2.65	6.22	00,00	*02*,03	− 850	− 358	..	..	30	2*11*0	11.52
n	.. ..	..	.. .. ..	.. .. ..	9.08	8.42	02,*03*	03,*02*	+ 301	+ 36	..	..	22	0100	11.82
o	.. ..	..	.. .. ..	.. .. ..	8.60	4.60	00,00	00,00	+ 215	− 648	..	..	35	10*12*	12.04
p	.. ..	..	.. .. ..	.. .. ..	10.20	8.08	00,00	*03*,02	+ 501	− 25	..	..	28	00*1*0	12.39
q	.. ..	..	.. .. ..	.. .. ..	9.08	7.75	02,*03*	00,00	+ 301	− 84	..	..	..	....	12.67

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
6. U Persei. R. A. 1h 53m.0, Dec. +54° 20′.															
			h. m. s.	° ′					″	″	s.	″			
V	+54° 431	9.0	1 49 59.7	+54 7.0	*5.69*	3.27	*01,01*	*02,02*	0	0	. .	. .	. .	. . . .	. .
a	+53° 440	7.9	1 53 47.7	+53 59.7	6.60	0.68	00,00	*03*,02	+2003	− 422	. .	. .	82	1*1*01	8.48
b	+54° 439	9.1	1 52 27.2	+54 1.5	2.30	1.30	00,00	00,00	+1302	− 321	. .	. .	32	*1*200	9.30
c	+54° 438	9.0	1 52 19.0	+54 5.4	1.80	2.75	00,00	00,00	+1221	− 85	. .	. .	30	00*1*1	9.62
d	+54° 435	9.5	1 51 50.5	+54 4.6	0.30	2.35	00,00	00,00	+ 976	− 150	. .	. .	65	0110	9.92
e	.. ..	..	.. .. ..	.. .. ..	*3.58*	1.48	*02*,03	*03*,02	+ 344	− 292	. .	. .	25	0101	10.57
f	.. ..	..	.. .. ..	.. .. ..	*5.00*	2.72	00,00	*02*,03	+ 112	− 90	. .	. .	22	0010	10.82
g	.. ..	..	.. .. ..	.. .. ..	*3.50*	2.90	00,00	00,00	+ 357	− 60	. .	. .	30	0000	11.04
h	.. ..	..	.. .. ..	.. .. ..	*5.35*	6.22	00,00	03,*02*	+ 55	+ 481	. .	. .	25	1001	11.34
k	.. ..	..	.. .. ..	.. .. ..	*5.70*	6.82	00,00	03,*02*	− 2	+ 579	. .	. .	30	0000	11.59
l	.. ..	..	.. .. ..	.. .. ..	*4.65*	5.58	00,00	02,*03*	+ 170	+ 377	. .	. .	. .	. . . .	11.89
7. V Persei. R. A. 1h 55m.1, Dec. +56° 15′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	1 52 4.1	+56 2.0	2.25	3.25	00,00	00,00	0	0	. .	. .	. .	. . . .	. .
a	+56° 416	8.7	1 54 48.4	+56 23.4	9.90	10.32	00,00	03,*02*	+1369	+1266	*0.2*	18	40	0000	8.63
b	+56° 417	8.8	1 54 56.6	+56 18.7	10.30	8.78	00,00	02,*03*	+1441	+ 990	*0.6*	12	52	110*1*	9.03
c	+55° 486	9.1	1 54 43.2	+55 51.0	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. .	. .	35	*1111*	9.55
d	.. ..	..	.. .. ..	.. .. ..	1.80	4.90	00,00	00,00	− 81	+ 295	. .	. .	20	*3151*	9.90
e	+56° 403	9.4	1 51 2.6	+56 15.8	*0.60*	8.05	00,00	00,00	− 510	+ 859	*0.4*	*30*	68	12*4*0	10.10
f	+56° 404	9.5	1 51 21.0	+56 4.8	0.18	4.18	*03*,02	*03*,02	− 371	+ 166	1.3	0	18	*2*0*12*	10.78
g	.. ..	..	.. .. ..	.. .. ..	1.10	3.50	00,00	00,00	− 206	+ 45	. .	. .	68	3*121*	10.96
h	.. ..	..	.. .. ..	.. .. ..	1.30	3.65	00,00	00,00	− 170	+ 72	. .	. .	40	000.	11.64
k	.. ..	..	.. .. ..	.. .. ..	0.30	3.70	00,00	00,00	− 349	+ 81	. .	. .	50	00..	12.04
l	.. ..	..	.. .. ..	.. .. ..	2.15	4.62	00,00	03,*02*	− 18	+ 245	. .	. .	35	0*1*..	12.54
m	.. ..	..	.. .. ..	.. .. ..	2.70	3.62	00,00	03,*02*	+ 81	+ 66	. .	. .	. .	. . . .	12.89
8. −Hydri. R. A. 2h 10m.4, Dec. −71° 57′.															
			h. m. s.	° ′					″	″	s.	″			
V	−72° 155	10.2	2 9 58.4	−72 4.2	9.89	10.10	01,*04*	00,00	0	0	. .	. .	. .	. . . .	. .
a	−72° 166	8.1	2 16 21.6	−72 2.6	19.70	10.65	00,00	00,00	+1748	+ 106	. .	. .	68	*2*111	8.82
b	−72° 153	8.9	2 7 59.9	−72 24.9	7.15	3.08	00,00	*03*,02	− 490	−1257	. .	. .	18	100*2*	9.54
c	−72° 160	8.9	2 12 19.3	−72 7.2	13.55	9.15	00,00	00,00	+ 655	− 170	. .	. .	18	000*1*	9.68
d	−71° 120	9.2	2 15 20.4	−71 47.7	18.20	15.65	00,00	00,00	+1487	+ 993	. .	. .	08	0*1*00	9.86
e	−72° 161	9.5	2 12 21.3	−72 9.0	13.60	8.50	00,00	00,00	+ 664	− 286	. .	. .	15	*2*000	9.94
f	−72° 157	9.6	2 11 24.4	−72 9.9	12.20	8.20	00,00	00,00	+ 413	− 340	. .	. .	28	0*1*00	10.09
g	−72° 148	10.0	2 6 9.5	−72 12.9	4.20	6.90	00,00	00,00	−1019	− 573	. .	. .	10	*1*100	10.37
h	−72° 147	10.2	2 5 50.5	−72 23.6	3.78	3.30	*03*,02	00,00	−1094	−1217	. .	. .	18	0*1*00	10.47
k	−71° 111	10.8	2 10 7.5	−71 57.7	10.15	12.20	00,00	00,00	+ 47	+ 376	. .	. .	08	01*11*	10.65
l	−72° 158	10.8	2 11 44.8	−72 32.6	12.75	0.60	00,00	00,00	+ 512	−1700	. .	. .	15	0*2*00	10.73
m	.. ..	..	.. .. ..	.. .. ..	10.05	6.70	00,00	00,00	+ 29	− 609	. .	. .	18	000*1*	10.88
n	.. ..	..	.. .. ..	.. .. ..	1.15	8.80	00,00	00,00	−1564	− 233	. .	. .	20	0*1*10	11.06
o	.. ..	..	.. .. ..	.. .. ..	1.20	9.68	00,00	*03*,02	−1556	− 75	. .	. .	22	*1*110	11.26
p	.. ..	..	.. .. ..	.. .. ..	3.28	7.22	02,*03*	*02*,03	−1183	− 516	. .	. .	23	100.	11.48
q	.. ..	..	.. .. ..	.. .. ..	9.70	12.58	00,00	02,*03*	− 34	+ 444	. .	. .	42	0010	11.71

8. –Hydri. R. A. 2h 10m.4, Dec. –71° 57′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	*x*	*y*	Δ*x*	Δ*y*	*x*	*y*	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
r	.. ..	..	.. .. ..	.. .. ..	2.75	1.78	00,00	*03*,02	– 439	– 322	..	..	22	0100	*12.13*
s	.. ..	..	.. .. ..	.. .. ..	0.80	2.78	00,00	*03*,02	– 788	– 148	..	..	18	1*101*	*12.35*
t	.. ..	..	.. .. ..	.. .. ..	4.80	3.42	00,00	03,*02*	– 72	– 29	..	..	17	00*1*.	*12.53*
u	.. ..	..	.. .. ..	.. .. ..	4.35	0.60	00,00	00,00	– 152	– 533	..	..	..	....	*12.70*

9. S Horologii. R. A. 2h. 22m.4, Dec. –60° 1′.

Des.	Cat. No.	Magn.	R. A.	Dec.	*x*	*y*	Δ*x*	Δ*y*	*x*	*y*	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	2 21 39.2	–60 7 57	*0.50*	8.90	00,00	00,00	0	0	..	..	..	....	..
1	2h 498	..	2 18 34.8	–60 19 43	*8.08*	4.79	*02*,03	*05*,05	–1357	– 752	*0.2*	*1*	..	....	..
2	2h 567	..	2 21 19.5	–59 42 54	*1.60*	17.30	00,00	00,00	– 197	+1504	0.1	7	..	....	..
3	2h 599	..	2 22 28.3	–60 33 40	1.78	0.32	*03*,02	*02*,03	+ 408	–1536	0.1	10	..	....	..
a	2666	8.5	2 27 18.5	–60 27 6	18.75	2.80	00,00	00,00	+2551	–1092	..	..	48	0*1*00	8.16
b	2h 856	9.0	2 31 50.4	–60 13 49	24.98	7.30	02,*03*	00,00	+4561	– 286	..	..	45	0101	8.64
c	–59° 211	8.8	2 24 27.0	–59 46.7	6.32	16.25	03,*02*	00,00	+1221	+1316	..	..	30	0*1*01	9.09
d	2h 611	9.0	2 22 54.8	–59 39 1	2.35	18.72	00,00	*02*,03	+ 510	+1758	*0.1*	*1*	35	*1*00*1*	9.39
e	.. ..	..	.. .. ..	.. .. ..	1.80	5.78	00,00	02,*03*	+ 412	– 558	..	..	38	0*1*00	9.74
f	.. ..	..	.. .. ..	.. .. ..	9.90	6.55	00,00	00,00	+1862	– 421	..	..	35	0*1*0*1*	10.12
g	.. ..	..	.. .. ..	.. .. ..	8.78	10.60	*03*,02	00,00	+1661	+ 304	..	..	32	0100	10.47
h	.. ..	..	.. .. ..	.. .. ..	*2.70*	10.50	*05*,05	00,00	– 394	+ 286	..	..	42	0100	10.79
k	.. ..	..	.. .. ..	.. .. ..	0.30	8.40	00,00	00,00	+ 143	– 90	..	..	38	000*1*	11.21
l	.. ..	..	.. .. ..	.. .. ..	*3.02*	8.78	02,*03*	*03*,02	– 451	– 21	..	..	35	*11*00	11.59
m	.. ..	..	.. .. ..	.. .. ..	1.38	9.05	07,*08*	00,00	+ 337	+ 27	..	..	40	00.0	11.94
n	.. ..	..	.. .. ..	.. .. ..	*0.10*	9.15	00,00	05,*05*	+ 72	+ 45	..	..	..	....	12.34

10. –Hydri. R. A. 2h 26m.3, Dec. –69° 58′.

Des.	Cat. No.	Magn.	R. A.	Dec.	*x*	*y*	Δ*x*	Δ*y*	*x*	*y*	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	2634	7.5	2 25 54.5	–70 4 59	4.32	11.33	*02*,03	*03*,02	0	0	..	..	..	....	..
a	2587	7.5	2 23 42.1	–70 39 53	0.35	*0.30*	00,00	00,00	– 711	–2080	..	..	50	1*1*00	7.44
b	2h 452	9.5	2 17 8.2	–71 15 6	*10.40*	*12.05*	00,00	00,00	–2635	–4185	..	..	28	000*1*	7.94
c	2h 361	7.5	2 13 34.4	–70 0 47	*16.72*	12.65	*03*,02	00,00	–3766	+ 226	..	..	25	0101	8.22
d	2h 818	8.5	2 30 38.8	–70 9 17	12.38	9.60	02,*03*	00,00	+1443	– 310	..	..	25	0110	8.47
e	2h 839	9.0	2 31 26.5	–70 17 33	13.60	6.75	00,00	00,00	+1661	– 820	..	..	30	0000	8.72
f	2h 443	8.5	2 16 51.2	–70 27 42	*11.05*	3.80	00,00	00,00	–2751	–1348	..	..	22	1000	9.02
g	2h 565	9.0	2 21 5.1	–70 2 20	*3.85*	12.35	00,00	00,00	–1462	+ 183	..	..	25	1010	9.24
h	2h 676	9.0	2 25 17.3	–70 27 57	3.15	3.65	00,00	00,00	– 209	–1375	..	..	30	10*1*0	9.49
k	–70° 152	9.8	2 24 15.4	–70 2.8	1.52	12.20	03,*02*	00,00	– 501	+ 156	..	..	22	0010	9.79
l	–70° 159	9.8	2 27 39.3	–70 11.5	7.25	9.12	00,00	*02*,03	+ 524	– 396	..	..	28	00*1*0	10.01
m	–70° 156	10.8	2 26 38.8	–70 9.3	5.55	9.80	00,00	00,00	+ 220	– 274	..	..	22	0010	10.29
n	.. ..	..	.. .. ..	.. .. ..	3.45	11.52	00,00	02,*02*	– 156	+ 34	..	..	28	00*1*0	10.51
o	.. ..	..	.. .. ..	.. .. ..	3.80	9.05	00,00	00,00	– 93	– 408	..	..	30	*1*100	10.79
p	.. ..	..	.. .. ..	.. .. ..	3.42	9.42	03,*02*	*02*,03	– 161	– 342	..	..	22	1000	11.09
q	.. ..	..	.. .. ..	.. .. ..	4.25	9.45	00,00	00,00	– 13	– 337	..	..	22	0001	11.31
r	.. ..	..	.. .. ..	.. .. ..	3.80	8.80	00,00	00,00	– 93	– 453	..	..	..	....	11.53

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
11. R Trianguli. R. A. 2^h $31^m.0$, Dec. +33° 50′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	+33° 470	9.2	2 28 15.9	+33 37.8	1.35	4.16	00,00	*01,01*	0	0	..	..	..	....	..
a	+33° 454	6.4	2 24 8.5	+33 54.2	*17.65*	9.70	00,00	00,00	−3097	+ 903	..	..	22	0010	6.97
b	+33° 458	7.5	2 24 58.0	+33 42.7	*13.75*	5.40	00,00	00,00	−2461	+ 202	..	..	50	0*2*11	7.19
c	+33° 476	8.0	2 29 46.9	+33 44.2	8.32	6.62	03,*02*	03,*02*	+1136	+ 401	..	..	35	00*11*	7.69
d	+33° 465	8.1	2 26 18.1	+33 32.2	*7.68*	1.60	03,*02*	00,00	−1472	− 417	..	..	65	1*1*20	8.04
e	+34° 472	9.0	2 27 26.9	+34 6.3	*2.58*	14.52	03,*02*	03,*02*	− 641	+1705	..	..	122	0*2*12	8.69
f	+33° 468	9.6	2 27 55.3	+33 30.6	*0.20*	1.40	00,00	00,00	− 253	− 450	..	..	60	001*1*	9.91
g	.. ..	..	.. .. ..	.. .. ..	3.10	*1.58*	00,00	03,*02*	+ 285	− 936	..	..	70	11*11*	10.51
h	+33° 472	9.5	2 28 44.2	+33 15.9	3.85	*3.68*	00,00	*02*,03	+ 408	−1278	..	..	70	0000	11.21
k	.. ..	..	.. .. ..	.. .. ..	3.50	*2.68*	00,00	*02*,03	+ 350	−1115	..	..	..	....	11.91
12. −Ceti. R. A. 2^h $37^m.4$, Dec. −23° 2′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	2859	8.5	2 36 18.2	−23 8 25	4.60	20.61	00,00	04,*01*	0	0	..	..	..	....	..
a	−22° 907	8.2	2 34 56.4	−22 6.1	10.92	0.08	03,*02*	*03*,02	−1131	+3675	..	..	48	0*11*1	7.63
b	−22° 908	8.2	2 35 14.8	−22 27.0	9.50	7.08	00,00	*03*,02	− 877	+2422	..	..	38	1*11*0	8.11
c	−23°1020	8.9	2 35 9.4	−23 29.8	9.90	27.70	00,00	00,00	− 949	−1269	..	..	32	1*1*01	8.49
d	−23°1017	8.8	2 35 3.6	−23 21.4	10.35	25.20	00,00	00,00	−1029	− 822	..	..	35	0*11*0	8.81
e	−23°1009	9.0	2 34 14.5	−23 19.8	14.20	24.48	00,00	*03*,02	−1718	− 693	..	..	30	1*1*00	9.16
f	−23°1032	9.4	2 36 38.4	−23 10.4	3.20	21.35	00,00	00,00	+ 251	− 132	..	..	25	2000	9.46
g	−23°1028	9.6	2 36 11.2	−23 13.4	5.15	22.42	00,00	03,*02*	− 98	− 324	..	..	32	10*1*1	9.71
h	−23°1033	10.0	2 36 54.4	−23 10.0	1.85	21.25	00,00	00,00	+ 492	− 115	..	..	35	1*1*0*2*	10.03
k	−22° 916	9.7	2 36 44.5	−22 55.4	2.60	16.52	00,00	03,*02*	+ 358	+ 732	..	..	50	10*1*0	10.38
l	.. ..	..	.. .. ..	.. .. ..	5.50	17.45	00,00	00,00	− 161	+ 566	..	..	22	01*1*1	10.88
m	.. ..	..	.. .. ..	.. .. ..	7.20	17.40	00,00	00,00	− 465	+ 575	..	..	43	.010	11.10
n	.. ..	..	.. .. ..	.. .. ..	3.65	21.10	00,00	00,00	+ 170	− 88	..	..	..	....	11.53
13. −Horologii. R. A. 2^h $41^m.2$, Dec. −54° 44′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	2^h 1104	9.0	2 40 23.5	−54 49 47	*3.80*	3.74	00,00	01,01	0	0	..	..	..	....	..
a	2^h 1300	8.5	2 47 40.3	−55 35 22	16.75	*11.70*	00,00	00,00	+3678	−2764	..	..	40	0*1*01	8.25
b	2^h 972	9.0	2 35 43.9	−54 57 14	*17.30*	1.15	00,00	00,00	−2416	− 464	..	..	35	*1*00*1*	8.65
c	2^h 1096	9.0	2 40 2.5	−55 19 25	*4.80*	*6.20*	00,00	00,00	− 179	−1779	..	..	22	0100	9.00
d	−55° 455	9.4	2 40 17.9	−55 29.1	*4.18*	*9.45*	*02*,03	00,00	− 68	−2361	..	..	45	1001	9.22
e	−55° 459	9.4	2 42 0.4	−55 2.6	0.78	*0.52*	*03*,02	*03*,02	+ 820	− 763	..	..	28	000*1*	9.67
f	−55° 463	9.6	2 43 9.4	−55 2.9	4.05	*0.60*	00,00	00,00	+1405	− 777	..	..	30	010*1*	9.95
g	−54° 474	10.2	2 43 20.1	−54 38.0	4.65	7.60	00,00	00,00	+1513	+ 691	..	..	28	000*1*	10.25
h	.. ..	..	.. .. ..	.. .. ..	*1.20*	1.65	00,00	00,00	+ 465	− 374	..	..	22	11*1*0	10.53
k	.. ..	..	.. .. ..	.. .. ..	*6.32*	0.72	*03*,02	*02*,03	− 451	− 541	..	..	30	00*1*1	10.75
l	.. ..	..	.. .. ..	.. .. ..	1.62	6.00	*02*,03	00,00	+ 970	+ 405	..	..	20	0000	11.05
m	.. ..	..	.. .. ..	.. .. ..	*3.55*	4.78	00,00	02,*03*	+ 45	+ 186	..	..	25	1100	11.25
n	.. ..	..	.. .. ..	.. .. ..	*3.20*	2.32	00,00	*02*,03	+ 107	− 254	..	..	28	*1*10*1*	11.50
o	.. ..	..	.. .. ..	.. .. ..	*1.40*	4.25	00,00	00,00	+ 430	+ 91	..	..	20	*1*1*1*1	11.78
p	.. ..	..	.. .. ..	.. .. ..	*5.50*	2.95	00,00	00,00	− 304	− 141	..	..	25	0002	11.98
q	.. ..	..	.. .. ..	.. .. ..	*0.75*	5.20	00,00	00,00	+ 546	+ 261	..	..	20	0000	12.23

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
13. – Horologii. R. A. $2^h\ 41^m.2$, Dec. – 54° 44′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
r	.. ..	..	.. .. ..	.. .. ..	*6.68*	3.60	*02*,03	00,00	– 516	– 25	..	..	10	0000	*12.43*
s	.. ..	..	.. .. ..	.. .. ..	*7.80*	3.65	00,00	00,00	– 716	– 16	..	..	..	....	*12.53*
14. R Horologii. R. A. $2^h\ 50^m.6$, Dec. – 50° 18′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	– 50° 860	10.0	2 49 44.4	– 50 24.2	9.75	8.69	00,00	01,*04*	0	0	..	..	..	....	..
a	2^h 1055	5.5	2 38 18.2	– 51 20 25	*26.75*	*9.20*	00,00	00,00	– 6534	– 3202	..	..	118	*1415*	5.33
b	2^h 1060	7.5	2 38 25.6	– 50 15 39	*26.25*	12.42	00,00	*02*,03	– 6444	+ 668	..	..	80	*11*20	6.51
c	2^h 1307	7.0	2 47 48.6	– 50 22 55	3.70	9.30	00,00	00,00	– 1083	+ 109	..	..	98	120*4*	7.31
d	2^h 1285	8.5	2 46 58.1	– 50 49 18	0.65	0.60	00,00	00,00	– 1629	– 1448	..	..	28	*2111*	8.29
e	2^h 1310	7.5	2 47 53.5	– 50 43 32	3.70	2.40	00,00	00,00	– 1083	– 1126	..	..	88	3*512*	8.57
f	– 50° 857	9.4	2 49 11.3	– 50 41.7	7.80	2.85	00,00	00,00	– 349	– 1045	..	..	25	0011	9.45
g	– 50° 856	9.6	2 49 3.9	– 50 32.3	7.58	6.18	02,*03*	02,*03*	– 388	– 449	..	..	28	*1213*	9.70
h	– 50° 858	9.6	2 49 14.5	– 50 26.2	8.30	8.10	00,00	00,00	– 260	– 106	..	..	78	0*414*	9.98
k	– 50° 846	10.0	2 47 38.5	– 50 38.7	3.10	4.20	00,00	00,00	– 1190	– 804	..	..	40	*22*22	10.76
l	– 50° 854	10.0	2 48 59.0	– 50 28.1	7.55	7.32	00,00	03,*02*	– 394	– 245	..	..	52	10*11*	11.16
m	.. ..	..	.. .. ..	.. .. ..	8.75	6.70	00,00	00,00	– 179	– 356	..	..	38	*11*10	11.68
n	.. ..	..	.. .. ..	.. .. ..	8.20	10.28	00,00	02,*03*	– 277	+ 285	..	..	15	*1010*	*12.06*
o	.. ..	..	.. .. ..	.. .. ..	11.05	11.48	00,00	02,*03*	+ 233	+ 499	..	..	20	000.	*12.21*
p	.. ..	..	.. .. ..	.. .. ..	11.18	8.08	02,*03*	02,*03*	+ 256	– 109	..	..	..	....	*12.41*
15. X Ceti. R. A. $3^h\ 14^m.3$, Dec. – 1° 26′.															
			h. m. s.	° ′					″	″	s.	″			
V	– 1° 475	9.1	3 12 2.5	– 1 36.0	0.39	5.24	01,01	01,01	0	0	..	..	..	....	..
a	– 1° 477	8.6	3 13 48.0	– 1 3.6	9.15	16.25	00,00	00,00	+ 1568	+ 1971	..	..	50	*121*.	8.75
b	– 0° 532	8.6	3 13 44.8	– 0 53.9	8.78	19.35	*03*,02	00,00	+ 1502	+ 2526	..	..	57	120.	9.25
c	– 1° 473	9.3	3 11 28.8	– 1 33.3	*2.42*	6.12	02,*03*	*02*,03	– 503	+ 158	..	..	37	1*11*.	9.82
d	– 1° 474	9.5	3 11 40.2	– 1 29.0	*1.35*	7.30	00,00	00,00	– 311	+ 369	..	..	40	1*1*0.	10.19
e	– 1° 471	9.3	3 11 23.2	– 1 48.9	*2.45*	0.90	00,00	00,00	– 508	– 777	..	..	47	0*1*0.	10.59
f	.. ..	..	.. .. ..	.. .. ..	*1.70*	2.05	00,00	00,00	– 374	– 571	..	..	23	010.	11.06
g	.. ..	..	.. .. ..	.. .. ..	3.95	1.85	00,00	00,00	+ 637	– 607	..	..	33	010.	11.29
h	.. .	..	.. .. ..	.. .. ..	3.25	*0.35*	00,00	00,00	+ 512	– 1001	..	..	23	001.	11.62
k	.. ..	..	.. .. ..	.. .. ..	3.50	0.52	00,00	03,*02*	+ 557	– 845	..	..	30	000.	11.85
l	.. ..	..	.. .. ..	.. .. ..	*0.30*	5.60	00,00	00,00	– 124	+ 64	..	..	37	00*1*.	12.15
m	.. ..	..	.. .. ..	.. .. ..	2.95	6.58	00,00	*03*,02	+ 458	+ 240	..	..	40	.*11*.	12.52
n	.. ..	..	.. .. ..	.. .. ..	2.80	5.20	00,00	00,00	+ 431	– 72	..	..	35	.*10*.	12.92
o	.. ..	..	.. .. ..	.. .. ..	2.15	5.20	00,00	00,00	+ 315	– 72	..	..	..	....	13.27
16. U Camelopardali. R. A. $3^h\ 33^m.2$, Dec. + 62° 19′.															
			h. m. s.	° ′					″	″	s.	″			
V	+ 62° 596	6.6	3 29 23	+ 62 10.4	1.91	7.61	*01,01*	*01,01*	0	0	..	..	..	....	..
a	+ 62° 595	9.3	3 29 17	+ 62 0.8	1.68	4.08	02,*03*	02,*03*	– 37	– 575	..	..	22	0010	9.88
b	.. ..	..	.. .. ..	.. .. ..	4.35	8.52	00,00	*02*,03	+ 398	+ 148	..	..	28	00*10*	10.10
c	+ 62° 602	9.5	3 32 0	+ 62 4.0	8.75	5.25	00,00	00,00	+ 1115	– 385	..	..	25	0110	10.38

16. U CAMELOPARDALI. R. A. 3^h $33^m.2$, Dec. +62° 19′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
d	+62° 589	9.5	3 27 8	+62 12.1	*3.70*	7.60	00,00	00,00	− 914	− 2	..	..	62	10*1*1	10.63
e	.. ..	..	.. .. ..	.. .. ..	1.35	8.25	00,00	00,00	− 91	+ 104	..	..	28	00*1*0	11.25
f	.. ..	..	.. .. ..	.. .. ..	3.50	6.62	00,00	03,*02*	+ 259	− 161	..	..	28	000*1*	11.53
g	.. ..	..	.. .. ..	.. .. ..	3.90	10.40	00,00	00,00	+ 324	+ 455	..	..	25	0011	11.81
h	.. ..	..	.. .. ..	.. .. ..	5.30	6.30	00,00	00,00	+ 553	− 214	..	..	25	1001	12.06
k	.. ..	..	.. .. ..	.. .. ..	6.08	5.68	02,*03*	02,*03*	+ 680	− 315	..	..	..	....	12.31

17. – RETICULI. R. A. 3^h $35^m.2$, Dec. −55° 43′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	4042	8.2	3 34 37.7	−55 48 17	0.28	4.70	02,*03*	00,00	0	0	..	..	..	....	..
a	3^h 1103	7.5	3 36 57.2	−55 57 0	6.75	1.72	00,00	*02*,03	+1158	− 533	..	..	40	01*2*1	7.60
b	−55° 561	8.4	3 39 20.0	−55 51.1	13.55	3.60	00,00	00,00	+2375	− 197	..	..	25	0011	8.00
c	−55° 557	8.8	3 36 42.5	−55 47.7	6.22	4.90	*02*,03	00,00	+1063	+ 36	..	..	12	101*1*	8.25
d	3^h 1126	8.5	3 37 37.4	−55 27 44	8.80	11.58	00,00	02,*03*	+1525	+1232	..	..	15	*2*000	8.37
e	3^h 1152	8.5	3 38 34.5	−56 4 28	11.30	*0.75*	00,00	00,00	+1973	− 976	..	..	32	00*12*	8.52
f	−55° 550	9.0	3 34 30.0	−55 36.2	*0.15*	8.72	00,00	*02*,03	− 77	+ 720	..	..	18	*1*000	8.84
g	−55° 548	9.2	3 33 22.0	−55 33.6	*3.25*	9.65	00,00	00,00	− 632	+ 886	..	..	30	1*1*00	9.02
h	−55° 546	9.4	3 32 0.0	−55 36.8	*7.12*	8.60	*03*,02	00,00	−1325	+ 698	..	..	32	002*1*	9.32
k	−55° 547	10.2	3 32 56.2	−55 26.4	*4.50*	12.10	00,00	00,00	− 856	+1325	..	..	18	10*3*1	9.64
l	−55° 555	10.2	3 36 10.0	−55 52.6	4.50	3.32	00,00	03,*02*	+ 755	− 247	..	..	25	0110	9.82
m	.. ..	..	.. .. ..	.. .. ..	*2.55*	6.25	00,00	00,00	− 507	+ 277	..	..	45	1100	10.07
n	.. ..	..	.. .. ..	.. .. ..	*4.85*	7.30	00,00	00,00	− 918	+ 465	..	..	38	1*2*1*1*	10.52
o	.. ..	..	.. .. ..	.. .. ..	*5.85*	3.02	00,00	*02*,03	−1097	− 301	..	..	30	*1*100	10.90
p	.. ..	..	.. .. ..	.. .. ..	0.65	4.35	00,00	00,00	+ 66	− 63	..	..	25	1010	11.20
q	.. ..	..	.. .. ..	.. .. ..	*3.38*	6.32	*02*,03	03,*02*	− 655	+ 290	..	..	13	0.01	*11.45*
r	.. ..	..	.. .. ..	.. .. ..	2.70	5.75	00,00	00,00	+ 433	+ 188	..	..	..	....	*11.58*

18. – ERIDANI. R. A. 3^h $46^m.4$, Dec. −1° 41′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	− 1° 546	9.0	3 44 5.3	− 1 49.1	0.67	7.94	*02*,*02*	01,01	0	0	..	..	..	....	..
a	− 1° 539	7.5	3 41 57.7	− 1 53.2	*10.05*	6.00	00,00	00,00	−1919	− 847	..	..	70	*2*011	7.24
b	− 2° 747	8.0	3 45 51.8	− 2 25.8	9.75	*4.30*	00,00	00,00	+1625	−2191	..	..	22	0100	7.94
c	− 2° 739	8.3	3 44 40.2	− 2 3.9	3.65	2.90	00,00	00,00	+ 533	− 902	..	..	25	1001	8.16
d	− 1° 551	8.8	3 45 19.9	− 1 26.0	6.70	15.48	00,00	02,*03*	+1079	+1350	..	..	60	*2*12*1*	8.41
e	− 1° 550	9.3	3 45 10.4	− 1 51.2	6.20	7.12	00,00	*02*,03	+ 990	− 147	..	..	35	*11*00	9.01
f	− 1° 541	9.3	3 42 15.7	− 1 39.8	*8.35*	10.75	00,00	00,00	−1615	+ 503	..	..	30	00*11*	9.36
g	− 1° 553	9.2	3 46 20.4	− 1 56.3	11.90	5.45	00,00	00,00	+2010	− 446	..	..	45	2*1*01	9.66
h	− 1° 547	9.5	3 44 41.4	− 1 49.8	3.80	7.82	00,00	*02*,03	+ 560	− 21	..	..	45	0020	10.11
k	.. ..	..	.. .. ..	.. .. ..	8.08	3.15	02,*03*	00,00	+1326	− 857	..	..	20	0000	10.56
l	.. ..	..	.. .. ..	.. .. ..	9.45	12.20	00,00	00,00	+1572	+ 763	..	..	28	1*11*0	10.76
m	.. ..	..	.. .. ..	.. .. ..	10.28	0.80	02,*03*	00,00	+1720	−1278	..	..	28	1*11*0	11.04
n	.. ..	..	.. .. ..	.. .. ..	*0.40*	6.02	00,00	03,*02*	− 192	− 344	..	..	25	0200	11.32
o	.. ..	..	.. .. ..	.. .. ..	*0.80*	8.35	00,00	00,00	− 263	+ 73	..	..	..	....	11.57

19. T Eridani. R. A. $3^h\ 51^m.0$, Dec. −24° 20′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	−24° 1960	8.6	3 49 52.8	−24 24.0	1.22	3.86	*02,02*	*01,01*	0	0	. .	. .	. .	. . . .	. .
a	−24° 2001	7.9	3 53 14.1	−24 9.5	16.32	9.05	03,*02*	00,00	+2708	+ 929	. .	. .	95	0*11*0	6.70
b	−23° 1642	7.9	3 50 48.9	−23 47.8	5.30	16.25	00,00	00,00	+ 730	+2218	. .	. .	70	0000	7.65
c	−23° 1641	8.4	3 50 34.5	−23 55.0	4.18	13.68	02,*03*	02,*03*	+ 530	+1758	. .	. .	48	1*1*0*1*	8.35
d	−24° 1940	9.1	3 48 7.6	−24 6.5	*6.90*	9.60	00,00	00,00	−1453	+1027	. .	. .	42	*1*110	8.83
e	−24° 1961	9.1	3 50 11.3	−24 23.1	2.58	4.25	02,*03*	00,00	+ 243	+ 70	. .	. .	35	0*11*0	9.25
f	−24° 1969	9.6	3 50 49.3	−24 15.7	5.38	6.70	02,*03*	00,00	+ 745	+ 508	. .	. .	60	*11*11	9.60
g	−24° 1965	9.5	3 50 17.8	−24 23.3	3.15	4.20	00,00	00,00	+ 345	+ 61	. .	. .	55	*1*0*1*0	10.20
h	−24° 1974	9.8	3 51 3.8	−24 16.7	6.40	6.35	00,00	00,00	+ 927	+ 446	. .	. .	68	*1*0*11*	10.75
k	. . . .	. .	. . . . . .	. . . . . .	1.88	4.72	02,*03*	*02*,03	+ 118	+ 154	. .	. .	50	. . 00	11.43
l	. . . .	. .	. . . . . .	. . . . . .	2.15	5.65	00,00	00,00	+ 166	+ 320	. .	. .	. .	. . . .	11.93

20. V Eridani. R. A. $3^h\ 59^m.8$, Dec. −16° 0′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	−16° 771	8.5	3 57 39.8	−16 7.6	4.81	3.06	*01,01*	*01,01*	0	0	. .	. .	. .	. . . .	. .
a	−16° 767	8.4	3 57 3.9	−16 9.0	1.88	2.38	*03*,02	02,*03*	− 524	− 122	. .	. .	42	0010	8.01
b	−16° 775	8.7	3 58 46.8	−16 6.3	10.25	3.35	00,00	00,00	+ 974	+ 52	. .	. .	45	1001	8.43
c	−16° 779	9.1	3 59 58.8	−16 13.2	15.80	1.10	00,00	00,00	+1967	− 351	. .	. .	42	0010	8.88
d	−16° 774	9.2	3 58 35.3	−16 5.7	9.25	3.62	00,00	*02*,03	+ 795	+ 100	. .	. .	22	0100	9.30
e	−16° 772	9.3	3 58 2.8	−16 12.9	6.65	1.28	00,00	02,*03*	+ 329	− 319	. .	. .	42	1*1*10	9.52
f	−16° 777	9.4	3 59 24.4	−16 10.7	13.25	2.18	00,00	02,*03*	+1511	− 158	. .	. .	45	1010	9.94
g	. . . .	. .	. . . . . .	. . . . . .	7.92	0.80	03,*02*	00,00	+ 557	− 405	. .	. .	40	0000	10.39
h	. . . .	. .	. . . . . .	. . . . . .	3.45	5.60	00,00	00,00	− 243	+ 455	. .	. .	50	0000	10.79
k	. . . .	. .	. . . . . .	. . . . . .	4.40	6.30	00,00	00,00	− 73	+ 580	. .	. .	53	001.	11.29
l	. . . .	. .	. . . . . .	. . . . . .	5.85	2.78	00,00	*03*,02	+ 186	− 50	. .	. .	. .	. . . .	11.82

21. W Eridani. R. A. $4^h\ 7^m.3$, Dec. −25° 24′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	−25° 1766	9.2	4 6 16.5	−25 27.5	6.17	10.30	*02,02*	05,00	0	0	. .	. .	. .	. . . .	. .
a	4665	7.5	4 5 30.5	−25 25 14	2.60	11.10	00,00	00,00	− 639	+ 143	. .	. .	48	*21*20	7.14
b	4651	7.5	4 4 43.7	−25 22 16	*0.88*	11.98	*02*,03	*03*,02	−1262	+ 301	. .	. .	25	1010	7.62
c	4662	8.0	4 5 28.4	−25 44 51	2.55	4.45	00,00	00,00	− 648	−1047	. .	. .	45	0002	7.87
d	4634	8.0	4 3 45.2	−25 20 57	*5.35*	12.30	00,00	00,00	−2062	+ 358	. .	. .	35	*1*0*1*0	8.32
e	−25° 1781	8.9	4 7 30.7	−25 6.6	11.68	17.30	02,*03*	00,00	+ 986	+1253	. .	. .	28	000*1*	8.67
f	4655	8.8	4 4 57.8	−25 44 48	0.28	4.45	02,*03*	00,00	−1054	−1047	. .	. .	32	1000	8.95
g	−25° 1774	9.0	4 6 46.1	−25 57.2	8.55	0.48	00,00	02,*03*	+ 426	−1758	. .	. .	40	0000	9.27
h	−25° 1757	9.2	4 4 57.8	−25 29.5	0.25	9.75	00,00	00,00	−1060	− 98	. .	. .	48	00*1*0	9.67
k	−25° 1761	9.8	4 5 18.4	−25 29.5	1.75	9.72	00,00	03,*02*	− 791	− 104	. .	. .	35	00*11*	10.15
l	−25° 1776	9.8	4 6 59.6	−25 20.1	9.35	12.78	00,00	02,*03*	+ 569	+ 444	. .	. .	42	0100	10.50
m	−25° 1768	10.0	4 6 23.5	−25 25.8	6.62	10.70	*02*,03	00,00	+ 81	+ 72	. .	. .	32	0010	10.92
n	. . . .	. .	. . . . . .	. . . . . .	2.28	6.70	02,*03*	00,00	− 696	− 644	. .	. .	50	00.0	11.24
o	. . . .	. .	. . . . . .	. . . . . .	4.18	7.30	*03*,02	00,00	− 356	− 537	. .	. .	40	00. .	11.74
p	. . . .	. .	. . . . . .	. . . . . .	7.00	10.38	00,00	*03*,02	+ 149	+ 14	. .	. .	. .	. . . .	12.14

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
22. R Caeli. R. A. $4^h\ 37^m.0$, Dec. −38° 26′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	4 36 8.2	−38 28 46	2.19	8.49	01,01	01,01	0	0	..	..	..	....	..
a	4h 1265	7.0	4 37 45.5	−37 51 8	*4.32*	*3.88*	*03*,02	03,*02*	+1165	+2214	*1.7*	44	60	00*1*1	6.86
b	4h 1077	7.5	4 32 2.7	−38 4 38	18.30	0.40	00,00	00,00	−2884	+1448	0.0	*1*	70	10*1*0	7.46
c	4h 1271	9:0	4 37 51:4	−38 47 12	*4.42*	14.75	*03*,02	00,00	+1183	−1121	2.5	14	72	*1*03*1*	8.16
d	4h 1157	9.0	4 34 28.0	−38 25 3	8.75	7.28	00,00	*03*,02	−1174	+ 217	*0.2*	6	58	0*2*01	8.88
e	4h 1186	9.5	4 35 24.3	−38 32 59	5.20	9.85	00,00	00,00	− 539	− 243	2.0	*10*	75	10*2*1	9.46
f	4h 1210	9.0	4 36 10.0	−38 39 8	1.90	11.65	00,00	00,00	+ 52	− 566	*2.7*	*56*	92	300*2*	10.21
g	−38° 1687	9.6	4 36 15.7	−38 15.9	1.70	4.32	00,00	03,*02*	+ 88	+ 746	..	..	82	2*3*20	11.13
h	−38° 1695	10.0	4 37 4.1	−38 31.0	*1.60*	9.32	00,00	*02*,03	+ 678	− 149	..	..	58	*1*1*1*0	11.95
k	.. ..	..	.. .. ..	.. .. ..	2.18	7.95	*03*,02	00,00	+ 2	+ 97	..	..	65	.0.1	12.53
l	.. ..	..	.. .. ..	.. .. ..	2.00	9.25	00,00	00,00	+ 34	− 136	..	..	55	.*1*.0	13.18
m	.. ..	..	.. .. ..	.. .. ..	0.28	7.40	*03*,02	00,00	+ 342	+ 195	..	..	23	.100	*13.73*
n	.. ..	..	.. .. ..	.. .. ..	4.22	9.75	03,*02*	00,00	− 363	− 226	..	..	20	.0.0	*13.96*
o	.. ..	..	.. .. ..	.. .. ..	2.82	8.18	03,*02*	02,*03*	− 113	+ 55	..	..	..	....	*14.16*
23. R Pictoris. R. A. $4^h\ 43^m.5$, Dec. −49° 26′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	5428	8.0	4 42 49.2	−49 28 20	0.18	5.68	02,02	*03,03*	0	0	..	..	..	....	..
a	5478	7.2	4 45 16.1	−50 0 38	8.22	*5.00*	03,*02*	00,00	+1439	−1912	..	..	20	0000	7.57
b	5490	7.5	4 45 30.6	−50 6 10	9.05	*6.80*	00,00	00,00	+1588	−2234	..	..	20	0000	7.77
c	−49° 1563	7.5	4 48 10.0	−49 36.8	17.55	8.20	00,00	00,00	+3109	− 444	..	..	28	000*1*	7.97
d	4h 1539	9.0	4 45 19.0	−49 23 18	8.25	7.42	00,00	*02*,03	+1445	+ 311	..	..	30	0000	8.25
e	−49° 1422	9.2	4 39 29.0	−49 13.0	*10.80*	10.40	00,00	00,00	−1965	+ 845	..	..	28	1*11*0	8.55
f	−50° 1505	9.6	4 44 13.1	−50 5.3	4.82	*6.52*	*02*,03	02,*03*	+ 831	−2184	..	..	32	0010	8.83
g	−49° 1428	9.7	4 40 46.5	−49 20.8	*6.58*	8.00	03,*02*	00,00	−1210	+ 415	..	..	28	1*11*0	9.15
h	−49° 1434	9.9	4 41 56.6	−49 35.3	*2.70*	8.25	00,00	00,00	− 516	− 435	..	..	32	10*1*1	9.43
k	.. ..	..	.. .. ..	.. .. ..	*7.60*	5.45	00,00	00,00	−1393	− 41	..	..	22	1000	9.75
l	−49° 1423	10.0	4 39 48.2	−49 28.0	*9.55*	5.68	00,00	02,*03*	−1742	0	..	..	32	1000	9.97
m	−49° 1426	10.0	4 39 57.1	−49 32.0	*9.10*	4.30	00,00	00,00	−1661	− 247	..	..	..	....	10.29
24. T Leporis. R. A. $5^h\ 0^m.6$, Dec. −22° 2′.															
			h. m. s.	° ′					″	″	s.	″			
V	−22° 995	8.7	4 58 40.6	−22 6.5	3.80	1.80	00,00	00,00	0	0	..	..	..	....	..
a	−21° 1067	7.7	4 59 5.4	−21 27.6	5.80	16.15	00,00	00,00	+ 326	+2339	..	..	62	0010	6.97
b	−21° 1065	7.5	4 58 29.3	−21 25.7	2.75	16.80	00,00	00,00	− 171	+2445	..	..	45	1010	7.59
c	−21° 1061	8.5	4 58 10.4	−21 20.4	1.15	18.65	00,00	00,00	− 432	+2747	..	..	45	0101	8.04
d	−21° 1068	8.6	4 59 23.2	−21 37.4	7.35	12.45	00,00	00,00	+ 579	+1736	..	..	48	0*1*00	8.49
e	−22° 996	9.0	4 58 52.3	−22 27.5	4.82	*5.80*	03,*02*	00,00	+ 166	−1239	..	..	40	0000	8.97
f	−22° 993	9.1	4 58 0.9	−22 0.1	0.38	4.30	*03*,02	00,00	− 557	+ 408	..	..	45	1100	9.37
g	−22° 1001	9.6	4 59 26.0	−22 6.9	7.70	1.62	00,00	*02*,03	+ 636	− 29	..	..	42	0001	9.82
h	−22° 994	9.5	4 58 39.0	−22 3.2	3.70	2.90	00,00	00,00	− 16	+ 179	..	..	50	0000	10.24
k	R	..	.. .. ..	.. .. ..	4.90	2.65	00,00	00,00	+ 179	+ 139	..	..	40	0000	10.74
l	.. ..	..	.. .. ..	.. .. ..	5.30	*0.68*	00,00	03,*02*	+ 244	− 404	..	..	..	....	11.14

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
25. S PICTORIS. R. A. 5^h $8^m.3$, Dec. −48° 38′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	5^h 283	9.5	5 7 38.1	−48 39 36	15.60	7.18	00,00	02,*03*	0	0	..	..	..	....	..
a	5^h 320	8.0	5 8 48.1	−49 12 36	..	..	..	..	..	..	..	..	25	0101	8.48
b	5^h 327	9.0	5 8 54.6	−49 12 28	11.18	17.92	02,*03*	03,*02*	+ 791	−1922	..	..	55	*11*00	8.78
c	5^h 363	9.5	5 10 5.2	−48 38 24	7.50	6.48	00,00	02,*03*	+1450	+ 125	..	..	42	0010	9.28
d	−48° 1675	9.6	5 8 2.5	−48 33.3	14.28	4.82	*03*,02	03,*02*	+ 236	+ 422	..	..	60	100*1*	9.70
e	−48° 1670	9.9	5 7 29.8	−48 25.3	16.22	2.32	*02*,03	03,*02*	− 111	+ 870	..	..	55	*12*10	10.30
f	−48° 1660	10.0	5 6 17.8	−48 30.4	20.18	4.22	02,*03*	03,*02*	− 820	+ 580	..	..	55	*1*00*1*	10.85
g	−48° 1683	10.0	5 8 48.3	−48 42.8	11.68	8.10	02,*03*	00,00	+ 702	− 165	..	..	58	0*2*10	11.40
h	−48° 1664	10.0	5 7 0.3	−48 40.6	17.58	7.42	02,*03*	*02*,03	− 354	− 48	..	..	60	10*1*0	11.98
k	.. ..	..	.. .. ..	.. .. ..	17.25	3.12	00,00	03,*02*	− 295	+ 727	..	..	85	00*2*0	12.58
l	.. ..	..	.. .. ..	.. .. ..	17.35	3.82	00,00	03,*02*	− 313	+ 601	..	..	37	10*2*.	12.93
m	.. ..	..	.. .. ..	.. .. ..	16.55	3.30	00,00	00,00	− 170	+ 695	..	..	37	1*11*.	13.30
n	.. ..	..	.. .. ..	.. .. ..	16.75	3.32	00,00	*02*,03	− 206	+ 691	..	..	..	....	13.67
26. − PICTORIS. R. A. 5^h $12^m.3$, Dec. −47° 2′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	5^h 418	8.5	5 11 37.1	−47 3 30	*2.10*	1.91	00,00	*01,01*	0	0	..	..	..	....	..
a	5^h 536	8.5	5 14 46.4	−47 30 44	8.62	*7.20*	03,*02*	00,00	+1919	−1631	..	..	25	1100	8.57
b	5^h 409	9.0	5 11 28.3	−47 20 14	*2.60*	*3.65*	00,00	00,00	− 90	− 995	..	..	30	*1*010	8.82
c	5^h 477	9.0	5 13 14.0	−47 4 3	3.40	1.75	00,00	00,00	+ 984	− 29	..	..	32	0*1*11	9.12
d	−46° 555	8.8	5 14 49.3	−46 24.5	8.82	15.02	*02*,03	*02*,03	+1955	+2347	..	..	22	0001	9.44
e	−47° 556	9.0	5 13 25.1	−47 21.8	4.05	*4.20*	00,00	00,00	+1101	−1094	..	..	32	1*1*10	9.66
f	−46° 557	9.4	5 14 51.3	−46 54.4	9.00	5.10	00,00	00,00	+1987	+ 571	..	..	25	2000	9.98
g	−47° 557	9.4	5 13 37.6	−47 27.3	4.75	*5.95*	00,00	00,00	+1226	−1407	..	..	20	0000	10.23
h	−47° 554	9.7	5 13 9.6	−47 19.3	3.20	*3.30*	00,00	00,00	+ 949	− 933	..	..	18	000*1*	10.43
k	−46° 546	9.8	5 9 38.8	−46 48.8	*8.85*	6.78	00,00	02,*03*	−1208	+ 872	..	..	35	*1111*	10.61
l	.. ..	..	.. .. ..	.. .. ..	*7.10*	8.42	00,00	03,*02*	− 895	+1165	..	..	32	2*111*	10.96
m	.. ..	..	.. .. ..	.. .. ..	*2.25*	3.30	00,00	00,00	− 27	+ 249	..	..	25	11*11*	11.28
n	.. ..	..	.. .. ..	.. .. ..	*3.65*	5.95	00,00	00,00	− 277	+ 723	..	..	22	0010	11.53
o	.. ..	..	.. .. ..	.. .. ..	*4.60*	5.60	00,00	00,00	− 448	+ 661	..	..	28	00*1*0	11.75
p	.. ..	..	.. .. ..	.. .. ..	*1.25*	1.30	00,00	00,00	+ 152	− 109	..	..	22	0010	12.03
q	.. ..	..	.. .. ..	.. .. ..	*0.45*	*0.55*	00,00	00,00	+ 295	− 440	..	..	22	0001	12.25
r	.. ..	..	.. .. ..	.. .. ..	*1.65*	4.25	00,00	00,00	+ 81	+ 419	..	..	..	....	*12.47*
27. T COLUMBAE. R. A. 5^h $15^m.6$, Dec. −33° 49′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	6135	8.0	5 14 42.8	−33 50 19	*0.90*	1.48	00,00	*03*,02	0	0	..	..	..	....	..
a	−33° 2217	7.5	5 11 48.8	−33 40.3	11.15	*1.70*	00,00	00,00	−2157	+ 569	..	..	58	000*1*	7.23
b	−33° 2238	9.0	5 13 32.2	−33 34.9	3.95	*3.80*	00,00	00,00	− 868	+ 945	..	..	42	1000	7.81
c	−34° 2177	8.8	5 13 29.5	−34 9.7	4.15	8.10	00,00	00,00	− 904	−1185	..	..	48	0*1*00	8.23
d	−33° 2256	9.3	5 14 53.1	−33 32.7	*1.65*	*4.30*	00,00	00,00	+ 134	+1035	..	..	22	0001	8.71
e	−33° 2269	9.1	5 16 24.0	−33 44.8	*8.00*	*0.38*	00,00	03,*02*	+1271	+ 333	..	..	35	0*11*0	8.93
f	−33° 2285	9.3	5 17 42.3	−33 53.3	*13.40*	2.32	00,00	*02*,03	+2238	− 150	..	..	35	0*1*0*1*	9.28
g	−33° 2276	9.7	5 16 44.4	−33 50.3	*9.50*	1.58	00,00	*03*,02	+1539	− 18	..	..	38	0*2*01	9.63
h	−33° 2230	9.7	5 12 50.1	−33 45.3	6.80	*0.25*	00,00	00,00	−1378	+ 310	..	..	38	0*1*00	10.01

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
27. T Columbae. R. A. 5h 15m.6, Dec. −33° 48′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
k	−33° 2237	9.9	5 13 29.7	−33 48.8	3.85	1.25	00,00	00,00	− 850	+ 41	. .	. .	40	0*1*01	10.39
l	−33° 2240	10.0	5 13 51.6	−33 58.7	2.40	4.10	00,00	00,00	− 591	− 469	. .	. .	38	0*1*00	10.79
m	−33° 2257	9.9	5 14 59.3	−33 55.3	*2.20*	3.20	00,00	00,00	+ 233	− 308	. .	. .	35	*11*00	11.17
n	−33° 2247	10.0	5 14 25.0	−33 54.1	0.20	2.25	00,00	00,00	− 197	− 138	. .	. .	50	*11*20	11.52
o	. . . .	. .	. . . . . .	. . . . . .	*0.55*	2.28	00,00	02,*03*	− 63	− 143	. .	. .	. .	. . . .	12.02
28. S Doradus. R. A. 5h 18m.9, Dec. −69° 21′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−69° 356	9.4	5 19 6.0	−69 22.4	4.04	2.92	01,01	03,*02*	0	0	. .	. .	. .	. . . .	. .
a	6218	7.8	5 18 12.1	−68 43 14	2.58	16.18	*03*,02	*03*,02	− 261	+2374	. .	. .	58	000*1*	7.94
b	−69° 355	R	5 19 2.0	−69 20.5	3.88	3.65	*03*,02	00,00	− 29	+ 131	. .	. .	55	*1*0*1*0	8.52
c	6259	9.2	5 19 46.6	−68 53 6	5.35	12.72	00,00	03,*02*	+ 234	+1754	. .	. .	45	1100	9.07
d	−69° 354	9.3	5 19 1.0	−69 41.1	3.75	*3.28*	00,00	03,*02*	− 52	−1110	. .	. .	42	0001	9.52
e	−69° 352	9.4	5 18 48.5	−69 23.5	3.38	2.60	*03*,02	00,00	− 118	− 57	. .	. .	42	0001	9.94
f	−69° 357	9.6	5 19 10.5	−69 19.1	4.20	4.15	00,00	00,00	+ 29	+ 220	. .	. .	42	*1*101	10.36
g	. . . .	. .	. . . . . .	. . . . . .	5.30	3.68	00,00	02,*03*	+ 226	+ 136	. .	. .	35	0*101*	10.78
h	. . . .	. .	. . . . . .	. . . . . .	3.55	2.50	00,00	00,00	− 88	− 75	. .	. .	. .	. . . .	11.13
29. R Columbae. R. A. 5h 46m.7, Dec. −29° 13′.															
			h. m. s.	° ′					″	″	s.	″			
V	−29° 2538	9.3	5 45 41.9	−29 13.7	5.08	3.25	02,*03*	00,00	0	0	. .	. .	. .	. . . .	. .
a	−29° 2540	8.3	5 45 53.7	−29 9.0	5.80	4.82	00,00	*02*,03	+ 129	+ 281	. .	. .	68	001*2*	7.64
b	−29° 2541	8.5	5 45 58.5	−29 8.0	6.20	5.22	00,00	03,*02*	+ 200	+ 353	. .	. .	55	0*11*0	8.32
c	−29° 2519	9.0	5 44 36.7	−29 10.5	0.28	4.25	02,*03*	00,00	− 859	+ 179	. .	. .	52	0001	8.87
d	−29° 2542	9.1	5 46 1.5	−29 12.1	6.30	3.78	00,00	*03*,02	+ 218	+ 95	. .	. .	68	0*1*00	9.39
e	−29° 2535	10.0	5 45 39.8	−29 15.7	5.05	2.35	00,00	00,00	− 5	− 161	. .	. .	45	1001	10.07
f	−29° 2534	9.9	5 45 35.5	−29 16.5	4.60	2.25	00,00	00,00	− 86	− 179	. .	. .	50	0*1*01	10.52
g	. . . .	. .	. . . . . .	. . . . . .	4.75	4.62	00,00	*02*,03	− 59	+ 245	. .	. .	58	*11*10	11.02
h	. . . .	. .	. . . . . .	. . . . . .	6.20	3.15	00,00	00,00	+ 200	− 18	. .	. .	58	01*11*	11.60
k	. . . .	. .	. . . . . .	. . . . . .	4.48	3.40	02,*03*	00,00	− 107	+ 27	. .	. .	. .	. . . .	12.18
30. R Octantis. R. A. 5h 56m.4, Dec. −86° 26′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−86° 72	8.2	6 4 7	−86 26.2	1.27	10.52	*02*,*02*	03,*02*	0	0	. .	. .	. .	. . . .	. .
a	9770	6.7	7 30 9.0	−86 49 8	*21.65*	23.60	00,00	00,00	+4103	−2341	. .	. .	30	*1*001	6.92
b	7601	6.8	6 12 42.3	−85 55 33	*2.25*	0.50	00,00	00,00	+ 630	+1794	. .	. .	35	0*101*	7.22
c	5292	8.2	4 36 20.2	−86 32 34	27.35	16.65	00,00	00,00	−4668	−1097	. .	. .	28	*1*000	7.57
d	−86° 49	8.2	4 44 28.9	−86 28.1	25.45	14.40	00,00	00,00	−4328	− 695	. .	. .	40	*1*010	7.85
e	−86° 53	8.2	5 8 19.7	−86 32.9	18.10	14.22	00,00	03,*02*	−3013	− 662	. .	. .	35	10*21*	8.25
f	−86° 80	8.7	6 29 56	−86 21.6	*7.00*	9.78	00,00	*03*,02	+1480	+ 132	. .	. .	30	0000	8.60
g	−86° 81	8.9	6 32 37	−86 14.8	*8.25*	7.70	00,00	00,00	+1704	+ 505	. .	. .	35	00*11*	8.90
h	−86° 75	9.1	6 22 49	−86 37.6	*4.15*	14.75	00,00	00,00	+ 970	− 757	. .	. .	32	0010	9.25
k	−86° 83	9.4	6 33 55	−86 9.7	*8.90*	6.20	00,00	00,00	+1820	+ 773	. .	. .	28	1*11*0	9.57
l	. . . .	. .	. . . . . .	. . . . . .	*7.15*	6.75	00,00	00,00	+1507	+ 675	. .	. .	35	00*11*	9.85

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
30. R Octantis. R. A. 5h 56m.4, Dec. −86° 26′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
m	.. ..	..	.. .. ..	.. .. ..	*4.55*	12.65	00,00	00,00	+1042	− 381	..	..	40	0*1*01	10.20
n	.. ..	..	.. .. ..	.. .. ..	*4.28*	10.40	03,*02*	00,00	+ 993	+ 21	..	..	42	20*2*1	10.60
o	.. ..	..	.. .. ..	.. .. ..	*3.25*	8.22	00,00	03,*02*	+ 809	+ 412	..	..	45	*2*000	11.02
p	.. ..	..	.. .. ..	.. .. ..	1.40	9.68	00,00	02,*03*	− 23	+ 150	..	..	10	0000	11.47
q	.. ..	..	.. .. ..	.. .. ..	*1.70*	9.60	00,00	00,00	+ 532	+ 165	..	..	18	0*1*00	*11.57*
r	.. ..	..	.. .. ..	.. .. ..	*1.18*	9.00	*02*,03	00,00	+ 439	+ 272	..	..	18	1.00	*11.75*
s	.. ..	..	.. .. ..	.. .. ..	*1.55*	11.18	00,00	02,*03*	+ 505	− 118	..	..	..	....	*11.88*
31. Z Monocerotis. R. A. 6h 28m.0, Dec. −8° 48′.															
			h. m. s.	° ′					″	″	s.	″			
V	−8° 1467	8.5	6 25 52.5	− 8 46.4	2.53	5.84	02,*03*	01,*04*	0	0	..	..	..	....	..
a	−8° 1471	8.9	6 26 13.2	− 8 49.4	4.30	4.62	00,00	*02*,03	+ 289	− 199	..	..	28	10*11*	8.80
b	−8° 1473	9.4	6 26 16.5	− 8 49.0	4.65	4.75	00,00	00,00	+ 346	− 178	..	..	32	11*1*0	9.08
c	−8° 1474	9.4	6 26 27.8	− 8 24.0	5.70	14.15	00,00	00,00	+ 517	+1355	..	..	30	0000	9.40
d	−8° 1476	9.8	6 26 38.0	− 8 31.8	6.70	11.35	00,00	00,00	+ 680	+ 898	..	..	30	001*1*	9.70
e	−8° 1472	9.5	6 26 15.5	− 8 34.6	4.52	10.42	*02*,03	03,*02*	+ 324	+ 747	..	..	25	0011	10.00
f	.. ..	..	.. .. ..	.. .. ..	8.90	4.85	00,00	00,00	+1038	− 161	..	..	30	100*1*	10.25
g	.. ..	..	.. .. ..	.. .. ..	5.90	7.60	00,00	00,00	+ 549	+ 287	..	..	48	100*2*	10.55
h	.. ..	..	.. .. ..	.. .. ..	3.48	8.50	*03*,02	00,00	+ 155	+ 434	..	..	25	2000	11.03
k	.. ..	..	.. .. ..	.. .. ..	7.40	9.30	00,00	00,00	+ 794	+ 564	..	..	20	*1*010	11.28
l	.. ..	..	.. .. ..	.. .. ..	4.02	7.92	03,*02*	03,*02*	+ 248	+ 339	..	..	42	1*1*01	11.48
m	.. ..	..	.. .. ..	.. .. ..	1.80	7.85	00,00	00,00	− 119	+ 328	..	..	28	00*1*0	11.90
n	.. ..	..	.. .. ..	.. .. ..	2.05	6.68	00,00	*03*,02	− 78	+ 137	..	..	..	....	12.18
32. X Monocerotis. R. A. 6h 52m.4, Dec. −8° 56′.															
			h. m. s.	° ′					″	″	s.	″			
V	−8° 1641	8.0	6 50 16.0	− 8 52.7	6.19	6.35	01,*04*	00,00	0	0	..	..	..	....	..
a	−8° 1639	8.3	6 50 11.8	− 8 21.3	5.62	17.82	*02*,03	03,*02*	− 93	+1870	..	..	58	000*1*	7.50
b	−9° 1765	8.9	6 51 52.2	− 9 8.7	14.88	0.45	*03*,02	00,00	+1416	− 962	..	..	35	0*1*01	8.08
c	−8° 1633	8.6	6 49 45.0	− 8 36.6	3.22	12.20	*02*,03	00,00	− 484	+ 954	..	..	40	0000	8.43
d	−8° 1650	7.7	6 51 11.0	− 8 50.0	11.18	7.30	*03*,02	00,00	+ 813	+ 155	..	..	40	010*1*	8.83
e	−8° 1647	9.3	6 50 45.3	− 8 42.0	8.75	10.25	00,00	00,00	+ 417	+ 636	..	..	52	011*1*	9.23
f	.. ..	..	.. .. ..	.. .. ..	9.52	13.30	02,*03*	00,00	+ 543	+1133	..	..	35	0*11*0	9.75
g	.. ..	..	.. .. ..	.. .. ..	4.55	11.10	00,00	00,00	− 267	+ 774	..	..	45	*1*003	10.10
h	−8° 1643	9.8	6 50 21.5	− 8 53.1	6.62	6.20	03,*02*	00,00	+ 70	− 24	..	..	28	00*1*0	10.55
k	.. ..	..	.. .. ..	.. .. ..	3.08	3.80	*03*,02	00,00	− 507	− 416	..	..	62	*1*110	10.83
l	.. ..	..	.. .. ..	.. .. ..	5.75	6.25	00,00	00,00	− 72	− 16	..	..	..	....	11.45
33. V Canis Minoris. R. A. 7h 1m.5, Dec. +9° 2′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	6 59 4.8	+ 9 5.5	0.35	5.50	00,00	00,00	0	0	..	..	..	....	..
a	+9° 1510	6.6	6 57 42.6	+ 9 24.1	*6.90*	12.35	00,00	00,00	−1182	+1117	0.3	0	58	*1*000	7.99
b	+8° 1640	8.8	6 57 33.8	+ 8 59.2	*7.80*	3.25	00,00	00,00	−1328	− 367	..	..	42	0001	8.57
c	+9° 1519	9.0	6 59 27.9	+ 9 26.1	2.60	12.80	00,00	00,00	+ 367	+1190	..	..	38	*1*000	8.99

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
33. V Canis Minoris. R. A. 7ʰ 1ᵐ.5, Dec. +9° 2′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
d	+9° 1517	9.2	6 58 45.1	+ 9 16.6	*1.30*	9.62	00,00	03,*02*	− 269	+ 672	0.2	*6*	35	0*101*	9.37
e	+9° 1520	9.4	6 59 34.6	+ 9 15.3	3.25	9.25	00,00	00,00	+ 473	+ 611	*0.4*	*24*	35	*1001*	9.72
f	+9° 1522	9.3	6 59 55.0	+ 9 4.4	4.88	5.05	*03*,02	00,00	+ 738	− 73	0.1	6	40	*1*010	10.07
g	+9° 1521	9.5	6 59 51.4	+ 9 12.3	4.70	7.85	00,00	00,00	+ 709	+ 383	*0.3*	24	32	0100	10.47
h	.. ..	..	.. .. ..	.. .. ..	0.92	8.48	*02*,03	*03*,02	+ 93	+ 486	. .	..	32	0010	10.79
k	.. ..	..	.. .. ..	.. .. ..	5.75	1.55	00,00	00,00	+ 880	− 644	. .	..	32	0100	11.11
l	.. ..	..	.. .. ..	.. .. ..	1.28	5.32	*03*,02	03,*02*	+ 152	− 29	. .	..	20	0000	11.43
m	.. ..	..	.. .. ..	.. .. ..	0.10	5.25	00,00	00,00	− 41	− 41	. .	..	30	0000	11.63
n	.. ..	..	.. .. ..	.. .. ..	*1.65*	5.60	00,00	00,00	− 326	+ 16	. .	..	40	0000	11.93
o	.. ..	..	.. .. ..	.. .. ..	0.90	4.55	00,00	00,00	+ 90	− 155	. .	..	42	0100	12.33
p	.. ..	..	.. .. ..	.. .. ..	*0.50*	6.18	00,00	*03*,02	− 139	+ 111	. .	..	32	0001	12.75
q	.. ..	..	.. .. ..	.. .. ..	1.45	5.80	00,00	00,00	+ 179	+ 49	. .	..	33	0.10	*13.07*
r	.. ..	..	.. .. ..	.. .. ..	1.45	5.58	00,00	02,*03*	+ 179	+ 13	. .	..	..	....	*13.40*
34. −Puppis. R. A. 7ʰ 1ᵐ.7, Dec. −35° 47′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	8954	7.5	7 0 46.0	−35 45 3	6.42	6.38	03,*02*	02,02	0	0	. .	..	..	....	..
a	6ʰ 2906	8.0	6 56 10.6	−35 39 44	*12.30*	7.72	00,00	*02*,03	−3351	+ 240	. .	..	50	0000	7.68
b	7ʰ 244	7.5	7 3 20.9	−35 37 2	16.90	9.25	00,00	00,00	+1876	+ 514	. .	..	35	00*11*	8.18
c	7ʰ 214	8.5	7 3 0.5	−35 40 44	15.55	7.95	00,00	00,00	+1634	+ 281	. .	..	22	1000	8.53
d	7ʰ 19	9.0	7 0 16.0	−35 43 38	4.35	6.75	00,00	00,00	− 371	+ 66	. .	..	20	*1*010	8.75
e	7ʰ 59	9.5	7 0 47.2	−35 34 24	6.48	9.90	02,*03*	00,00	+ 11	+ 630	. .	..	48	0*11*1	8.95
f	−36° 3359	9.4	7 2 43.9	−36 4.8	14.60	0.10	00,00	00,00	+1464	−1124	. .	..	28	*1*01*1*	9.43
g	6ʰ 3164	9.0	6 59 57.2	−35 48 0	3.20	5.32	00,00	*02*,08	− 576	− 190	. .	..	25	0101	9.71
h	−35° 3315	9.5	6 59 19.2	−35 46.1	0.42	5.88	*02*,03	*03*,02	−1074	− 90	. .	..	40	*1*100	9.96
k	−35° 3337	10.0	7 1 0.5	−35 50.3	7.52	4.65	*02*,03	00,00	+ 197	− 310	. .	..	25	0011	10.36
l	−35° 3342	9.6	7 1 28.8	−35 51.8	9.62	4.35	*02*,03	00,00	+ 573	− 363	. .	..	22	1000	10.61
m	−35° 3336	9.6	7 0 50.8	−35 50.8	6.78	4.38	*03*,02	*03*,02	+ 64	− 358	. .	..	25	0011	10.83
n	.. ..	..	.. .. ..	.. .. ..	8.22	7.20	03,*02*	00,00	+ 322	+ 147	. .	..	25	0101	11.08
o	.. ..	..	.. .. ..	.. .. ..	6.60	4.60	00,00	00,00	+ 32	− 319	. .	..	..	....	11.33
35. −Canis Majoris. R. A. 7ʰ 3ᵐ.4, Dec. −11° 46′.															
			h. m. s.	° ′					″	″	s.	″			
V	−11° 1805	7.6	7 1 17.1	−11 41.8	6.38	7.42	*03,03*	*02*,03	0	0	. .	..	..	....	..
a	−11° 1812	8.5	7 1 36.6	−11 37.8	8.10	8.90	00,00	00,00	+ 308	+ 265	. .	..	35	*11*00	7.43
b	−11° 1830	7.5	7 4 30.6	−11 48.3	22.35	5.55	00,00	00,00	+2859	− 335	. .	..	65	1100	7.78
c	−12° 1790	8.3	7 0 15.5	−12 0.8	1.52	1.10	*02*,03	00,00	− 870	−1131	. .	..	20	0000	8.43
d	−11° 1801	9.1	7 1 7.2	−11 41.5	5.60	7.65	00,00	00,00	− 140	+ 41	. .	..	22	1000	8.63
e	−12° 1813	8.9	7 2 11.8	−12 5.6	11.00	*0.38*	00,00	*02*,03	+ 827	−1396	. .	..	60	0*11*0	8.85
f	−11° 1804	9.4	7 1 15.2	−11 48.1	6.30	5.40	00,00	00,00	− 14	− 362	. .	..	30	1*1*00	9.45
g	−11° 1811	9.4	7 1 33.5	−11 44.1	7.75	6.70	00,00	00,00	+ 245	− 129	. .	..	22	1000	9.75
h	−11° 1810	10.0	7 1 33.3	−11 40.1	7.75	8.00	00,00	00,00	+ 245	+ 104	. .	..	35	0*11*0	9.97
k	.. ..	..	.. .. ..	.. .. ..	9.40	8.00	00,00	00,00	+ 541	+ 104	. .	..	30	*1*100	10.32
l	−11° 1814	9.8	7 1 42.9	−11 47.0	8.48	6.05	*03*,02	00,00	+ 376	− 245	. .	..	38	000*1*	10.62
m	.. ..	..	.. .. ..	.. .. ..	6.78	8.80	*03*,02	00,00	+ 72	+ 247	. .	..	40	*1*100	11.00

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
35. − Canis Majoris. R. A. $7^h\ 3^m.4$, Dec. − 11° 46′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
n	.. ..	..	.. .. ..	.. .. ..	6.52	7.80	*02*,03	00,00	+ 25	+ 68	..	..	25	0101	11.40
o	.. ..	..	.. .. ..	.. .. ..	4.32	6.85	*02*,03	00,00	− 369	− 102	..	..	18	0*1*00	11.65
p	.. ..	..	.. .. ..	.. .. ..	9.75	8.60	00,00	00,00	+ 603	+ 211	..	..	..	....	11.83
36. − Lyncis. R. A. $7^h\ 21^m.0$, Dec. + 46° 10′.															
			h. m. s.	° ′					″	″	s.	″			
V	+ 46° 1271	6.7	7 17 39.7	+ 46 15.3	12.86	7.70	*01,01*	00,00	0	0	..	..	..	....	..
a	+ 46° 1273	6.5	7 18 19.0	+ 46 37.8	14.75	15.10	00,00	00,00	+ 390	+ 1206	..	..	25	1001	7.67
b	+ 46° 1272	7.5	7 17 43.0	+ 46 33.9	12.40	14.32	00,00	03,*02*	+ 7	+ 1079	..	..	30	0*1*01	7.92
c	+ 46° 1266	8.2	7 16 12.5	+ 46 29.9	6.80	12.02	00,00	03,*02*	− 906	+ 704	..	..	28	00*1*0	8.22
d	+ 46° 1269	8.8	7 17 19.7	+ 46 12.6	11.30	6.40	00,00	00,00	− 178	− 212	..	..	20	100*1*	8.50
e	+ 45° 1436	9.1	7 19 1.4	+ 45 57.4	17.70	0.45	00,00	00,00	+ 870	− 1182	..	..	18	*1*000	8.70
f	+ 45° 1433	8.3	7 16 47.0	+ 45 58.0	9.22	0.80	03,*02*	00,00	− 512	− 1125	..	..	30	001*1*	8.88
g	+ 46° 1264	8.9	7 14 25.0	+ 46 22.0	0.25	10.05	00,00	00,00	− 1974	+ 383	..	..	52	1000	9.18
h	+ 46° 1267	9.5	7 16 24.6	+ 46 28.2	7.35	11.05	00,00	00,00	− 817	+ 546	..	..	30	100*1*	9.70
k	.. ..	..	.. .. ..	.. .. ..	12.80	6.65	00,00	00,00	+ 72	− 171	..	..	40	11*11*	10.00
l	.. ..	..	.. .. ..	.. .. ..	11.00	11.20	00,00	00,00	− 222	+ 570	..	..	30	100*1*	10.40
m	.. ..	..	.. .. ..	.. .. ..	10.20	10.00	00,00	00,00	− 852	+ 875	..	..	30	0*1*10	10.70
n	.. ..	..	.. .. ..	.. .. ..	8.38	0.82	02,*03*	03,*02*	− 649	− 1203	..	..	22	0001	11.00
o	.. ..	..	.. .. ..	.. .. ..	13.55	5.50	00,00	00,00	+ 194	− 859	..	..	35	*1*1*2*0	11.22
p	.. ..	..	.. .. ..	.. .. ..	12.85	6.45	00,00	00,00	+ 80	− 204	..	..	..	....	11.57
37. − Puppis. R. A. $7^h\ 22^m.4$, Dec. − 11° 31′.															
			h. m. s.	° ′					″	″	s.	″			
V	− 11° 1941	8.9	7 20 15.8	− 11 25.9	5.79	4.47	01,01	*02,02*	0	0	..	..	..	....	..
a	− 11° 1948	9.5	7 20 55.0	− 11 30.7	9.15	3.10	00,00	00,00	+ 601	− 245	..	..	38	0*1*00	9.02
b	− 11° 1949	9.8	7 20 57.2	− 11 22.4	9.25	5.72	00,00	03,*02*	+ 619	+ 224	..	..	28	0*1*00	9.40
c	− 11° 1944	9.8	7 20 30.3	− 11 31.6	7.18	2.55	02,*03*	00,00	+ 249	− 344	..	..	22	0001	9.68
d	− 11° 1938	9.2	7 19 51.4	− 11 17.9	3.78	7.18	*03*,02	02,*03*	− 360	+ 485	..	..	22	0100	9.90
e	− 11° 1943	9.8	7 20 29.5	− 11 29.5	6.98	3.42	*03*,02	03,*02*	+ 213	− 188	..	..	30	0000	10.12
f	.. ..	..	.. .. ..	.. .. ..	7.72	6.30	03,*02*	00,00	+ 345	+ 328	..	..	40	0*1*10	10.42
g	.. ..	..	.. .. ..	.. .. ..	3.48	6.45	02,*03*	00,00	− 413	+ 354	..	..	28	0*1*00	10.82
h	.. ..	..	.. .. ..	.. .. ..	1.35	3.70	00,00	00,00	− 795	− 138	..	..	42	1*1*01	11.10
k	.. ..	..	.. .. ..	.. .. ..	5.80	6.35	00,00	00,00	+ 2	+ 337	..	..	22	1000	11.52
l	.. ..	..	.. .. ..	.. .. ..	5.30	3.80	00,00	00,00	− 88	− 209	..	..	22	0001	11.74
m	.. ..	..	.. .. ..	.. .. ..	6.05	4.28	00,00	02,*03*	+ 47	− 34	..	..	30	0*1*10	11.96
n	.. ..	..	.. .. ..	.. .. ..	5.78	4.32	*03*,02	03,*02*	− 2	− 27	..	..	..	....	12.26
38. W Puppis. R. A. $7^h\ 42^m.6$, Dec. − 41° 57′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	7^h 3056	9.5	7 41 49.0	− 41 53 28	13.09	7.19	*04*,01	01,01	0	0	..	..	..	....	..
a	7^h 3227	8.0	7 44 2.2	− 42 11 46	21.30	0.90	00,00	00,00	+ 1470	− 1126	..	..	48	00*1*0	7.66
b	7^h 2778	8.5	7 38 30.0	− 41 56 2	0.68	6.25	*03*,02	00,00	− 2221	− 168	..	..	50	0000	8.14
c	7^h 2876	9.0	7 39 47.1	− 41 33 16	5.40	13.80	00,00	00,00	− 1377	+ 1183	..	..	50	0000	8.04

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
38. W Puppis. R. A. 7h 42m.6, Dec. −41° 57′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
d	7h 3114	9.0	7 42 40.3	−41 53 1	16.25	7.30	00,00	00,00	+ 566	+ 20	. .	. .	38	*1*1*1*0	9.14
e	−42° 3480	9.8	7 40 19.8	−42 7.9	7.45	2.30	00,00	00,00	−1010	− 875	. .	. .	38	00*1*0	9.52
f	7h 3060	9.0	7 41 50.9	−41 49 51	13.20	8.32	00,00	03,*02*	+ 20	+ 202	. .	. .	48	10*11*	9.90
g	−42° 3491	9.8	7 40 50.6	−42 7.4	9.50	2.55	00,00	00,00	− 643	− 831	. .	. .	50	1*11*1	10.38
h	−41° 3360	9.9	7 41 39.7	−41 53.5	12.50	7.15	00,00	00,00	− 106	− 7	. .	. .	50	0000	10.88
k	R	R	7 41 35.6	−41 51.0	12.22	7.92	*02*,03	03,*02*	− 156	+ 131	. .	. .	52	1*1*10	11.88
l	.. ..	..	.. .. ..	.. .. ..	12.55	8.22	00,00	*02*,03	− 97	+ 184	. .	. .	50	100*1*	11.90
m	.. ..	..	.. .. ..	.. .. ..	13.52	7.15	03,*02*	00,00	+ 77	− 7	. .	. .	12	0*1*00	12.40
n	.. ..	..	.. .. ..	.. .. ..	14.15	6.25	00,00	00,00	+ 190	− 168	. .	. .	22	0001	*12.52*
o	.. ..	..	.. .. ..	.. .. ..	13.92	6.48	03,*02*	*03*,02	+ 149	− 127	. .	. .	..	....	*12.74*
39. −Canis Minoris. R. A. 7h 43m.5, Dec. +5° 41′.															
			h. m. s.	° ′					″	″	s.	″			
V	+ 5° 1797	9.0	7 41 3.3	+ 5 46.9	4.60	6.35	00,00	00,00	0	0	. .	. .	..	....	..
a	+ 5° 1802	8.5	7 41 47.3	+ 5 39.7	8.52	4.40	03,*02*	00,00	+ 639	− 318	. .	. .	45	2000	8.85
b	+ 5° 1794	9.0	7 40 42.2	+ 5 33.7	2.75	2.25	00,00	00,00	− 302	− 668	. .	. .	32	0100	9.30
c	+ 5° 1798	9.3	7 41 21.7	+ 5 40.1	6.50	4.40	00,00	00,00	+ 310	− 318	. .	. .	40	0*121*	9.62
d	+ 5° 1795	9.3	7 40 46.9	+ 5 51.7	3.45	7.55	00,00	00,00	− 187	+ 196	. .	. .	28	*1*000	10.02
e	.. ..	..	.. .. ..	.. .. ..	5.80	8.18	00,00	02,*03*	+ 196	+ 298	. .	. .	42	0010	10.30
f	.. ..	..	.. .. ..	.. .. ..	9.20	3.52	00,00	03,*02*	+ 750	− 461	. .	. .	20	0000	10.72
g	.. ..	..	.. .. ..	.. .. ..	4.40	2.75	00,00	00,00	− 33	− 587	. .	. .	38	*1*000	10.92
h	.. ..	..	.. .. ..	.. .. ..	6.20	6.20	00,00	00,00	+ 261	− 24	. .	. .	32	1000	11.30
k	.. ..	..	.. .. ..	.. .. ..	4.80	5.55	00,00	00,00	+ 33	− 130	. .	. .	35	*11*00	11.62
l	.. ..	..	.. .. ..	.. .. ..	4.32	4.50	03,*02*	00,00	− 46	− 302	. .	. .	33	.100	11.97
m	.. ..	..	.. .. ..	.. .. ..	3.50	4.50	00,00	00,00	− 179	− 302	. .	. .	..	....	12.30
40. RT Puppis. R. A. 8h 1m.7, Dec. −38° 29′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	8h 68	8.5	8 0 50.7	−38 25 15	4.30	8.20	00,00	00,00	0	0	. .	. .	..	....	..
a	8h 143	7.0	8 1 50.0	−38 32 22	8.20	5.70	00,00	00,00	+ 698	− 448	. .	. .	38	000*1*	7.70
b	8h 65	8.0	8 0 47.0	−38 41 52	4.10	2.55	00,00	00,00	− 36	−1011	. .	. .	30	0000	8.08
c	8h 119	8.5	8 1 32.5	−38 47 23	7.05	0.70	00,00	00,00	+ 492	−1342	. .	. .	35	*1111*	8.38
d	8h 217	9.0	8 2 55.2	−38 28 51	12.40	6.80	00,00	00,00	+1450	− 251	. .	. .	35	*1*0*1*0	8.73
e	−38° 4063	9.5	8 1 47.2	−38 19.6	8.10	10.08	00,00	02,*03*	+ 680	+ 337	. .	. .	32	0100	9.08
f	−38° 4031	9.5	8 0 18.0	−38 29.5	2.25	6.60	00,00	00,00	− 367	− 286	. .	. .	32	0010	9.40
g	−38° 4024	9.7	8 0 4.1	−38 24.5	1.30	8.40	00,00	00,00	− 587	+ 36	. .	. .	25	1001	9.72
h	−38° 4039	9.8	8 0 28.2	−38 18.7	3.00	10.45	00,00	00,00	− 233	+ 403	. .	. .	35	*1*0*1*0	9.97
k	−38° 4055	10.0	8 1 6.8	−38 22.6	5.38	8.72	02,*03*	03,*02*	+ 193	+ 93	. .	. .	40	0000	10.32
l	−38° 4054	10.0	8 1 6.2	−38 24.1	5.38	8.28	02,*03*	02,*03*	+ 193	+ 14	. .	. .	38	*1*000	10.72
m	−38° 4048	10.0	8 0 36.9	−38 24.2	3.35	8.20	00,00	00,00	− 170	0	. .	. .	..	....	11.10
41. RU Puppis. R. A. 8h 3m.1, Dec. −22° 37′.															
			h. m. s.	° ′					″	″	s.	″			
V	−22° 2160	8.6	8 1 13.3	−22 29.7	10.35	5.70	00,00	00,00	0	0	. .	. .	..	....	..
a	−22° 2152	8.9	8 0 19.6	−22 35.9	6.25	3.55	00,00	00,00	− 734	− 385	. .	. .	32	0010	8.36

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
41. RU Puppis. R. A. $8^h 3^m.1$, Dec. −22° 38′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
b	−22° 2161	9.1	8 1 39.9	−22 14.7	12.42	10.60	03,*02*	00,00	+ 371	+ 877	..	..	30	0000	8.68
c	−22° 2150	9.3	7 59 58.2	−22 26.9	4.65	6.60	00,00	00,00	−1020	+ 161	..	..	28	*1110*	8.98
d	−22° 2153	8.7	8 0 20.1	−22 22.1	6.30	8.25	00,00	00,00	− 725	+ 456	..	..	28	000*1*	9.26
e	−22° 2145	9.5	7 59 2.1	−22 33.8	0.30	4.30	00,00	00,00	−1799	− 251	..	..	22	0010	9.54
f	−22° 2156	9.7	8 0 39.8	−22 25.2	7.75	7.20	00,00	00,00	− 465	+ 268	..	..	28	000*1*	9.76
g	−22° 2149	9.4	7 59 51.3	−22 27.5	4.10	6.35	00,00	00,00	−1119	+ 116	..	..	32	0010	10.04
h	B	..	.. .. ..	.. .. ..	11.08	8.58	*03*,02	02,*03*	+ 131	+ 516	..	..	30	0000	10.36
k	B	..	.. .. ..	.. .. ..	11.88	5.68	02,*03*	02,*03*	+ 274	− 4	..	..	32	0010	10.66
l	B	..	.. .. ..	.. .. ..	12.30	6.70	00,00	00,00	+ 349	+ 179	..	..	20	0000	10.98
m	B	..	.. .. ..	.. .. ..	10.25	4.80	00,00	00,00	− 18	− 161	..	..	40	0000	11.18
n	.. ..	..	.. .. ..	.. .. ..	10.08	5.48	*03*,02	*03*,02	− 48	− 39	..	..	42	0001	11.58
o	.. ..	..	.. .. ..	.. .. ..	10.32	5.35	*02*,03	00,00	− 5	− 68	..	..	..	....	12.00
42. −Hydrae. R. A. $8^h 19^m.6$, Dec. −8° 11′.															
			h. m. s.	° ′					″	″	s.	″			
V	− 8° 2343	7.4	8 17 26.0	− 8 3.2	5.12	9.87	*02*,*02*	*02*,03	0	0	..	..	..	....	..
a	− 8° 2352	6.3	8 18 36.6	− 8 28.9	11.05	1.32	00,00	03,*02*	+1061	−1530	..	..	52	1000	7.18
b	− 7° 2463	8.3	8 17 4.7	− 7 56.5	3.28	12.28	*03*,02	*03*,02	− 329	+ 431	..	..	22	110*1*	7.70
c	− 8° 2339	8.4	8 16 46.7	− 8 0.3	1.85	10.85	00,00	00,00	− 585	+ 175	..	..	18	0010	7.92
d	− 8° 2353	7.8	8 18 53.5	− 8 18.5	12.30	4.75	00,00	00,00	+1285	− 916	..	..	22	0001	8.10
e	− 7° 2466	8.9	8 17 29.4	− 7 51.7	5.30	13.68	00,00	*03*,02	+ 32	+ 682	..	..	30	1*11*1	8.32
f	− 7° 2460	9.1	8 16 40.8	− 7 59.6	1.30	11.28	00,00	*03*,02	− 684	+ 252	..	..	28	000*1*	9.12
g	− 7° 2468	9.4	8 17 41.7	− 7 56.9	6.30	12.10	00,00	00,00	+ 211	+ 399	..	..	32	0100	9.40
h	.. ..	..	.. .. ..	.. .. ..	3.70	10.70	00,00	00,00	− 254	+ 149	..	..	28	000*1*	9.72
k	− 8° 2346	9.5	8 17 54.0	− 8 13.5	7.35	6.60	00,00	00,00	+ 399	− 585	..	..	35	1*111*	10.00
l	.. ..	..	.. .. ..	.. .. ..	6.42	6.70	03,*02*	00,00	+ 233	− 567	..	..	28	*1101*	10.35
m	.. ..	..	.. .. ..	.. .. ..	7.38	10.25	*03*,02	00,00	+ 405	+ 68	..	..	28	*1*000	10.63
n	.. ..	..	.. .. ..	.. .. ..	8.80	10.25	00,00	00,00	+ 659	+ 68	..	..	25	1100	10.91
o	.. ..	..	.. .. ..	.. .. ..	1.38	8.60	*03*,02	00,00	− 669	− 227	..	..	50	0000	11.16
p	.. ..	..	.. .. ..	.. .. ..	5.75	9.70	00,00	00,00	+ 118	− 30	..	..	..	....	11.66
43. R Chamaeleontis. R. A. $8^h 24^m.2$, Dec. −76° 2′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	8^h 2054	8.5	8 24 33.1	−75 56 56	12.12	5.12	03,*02*	03,*02*	0	0	..	..	..	....	..
a	8^h 1647	8.5	8 19 51.8	−76 2 2	6.55	3.18	00,00	*03*,02	− 997	− 347	..	..	48	*1*000	8.22
b	−75° 488	8.7	8 16 34.0	−75 46.7	2.25	7.90	00,00	00,00	−1767	+ 498	..	..	30	0000	8.70
c	−75° 495	9.2	8 20 13.0	−75 46.5	6.70	8.30	00,00	00,00	− 970	+ 569	..	..	28	00*1*0	9.00
d	8^h 1587	9.0	8 19 8.6	−76 7 19	5.75	1.30	00,00	00,00	−1140	− 684	..	..	25	1010	9.28
e	−75° 490	9.8	8 16 57.0	−75 46.1	2.65	8.18	00,00	02,*03*	−1695	+ 548	..	..	22	0001	9.53
f	−75° 500	9.8	8 27 37.0	−75 37.8	15.70	11.48	00,00	02,*03*	+ 641	+1138	..	..	32	10*1*1	9.75
g	.. ..	..	.. .. ..	.. .. ..	12.25	3.32	00,00	*02*,03	+ 23	− 322	..	..	20	0000	10.07
h	.. ..	..	.. .. ..	.. .. ..	14.85	10.62	00,00	*02*,03	+ 489	+ 984	..	..	32	0001	10.27
k	.. ..	..	.. .. ..	.. .. ..	9.88	6.40	*03*,02	00,00	− 401	+ 229	..	..	22	0010	10.59
l	.. ..	..	.. .. ..	.. .. ..	10.30	6.70	00,00	00,00	− 326	+ 283	..	..	30	00*1*1	10.81
m	.. ..	..	.. .. ..	.. .. ..	14.62	8.40	03,*02*	00,00	+ 448	+ 587	..	..	22	0001	11.11

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
43. R Chamaeleontis. R. A. 8h 24m.1, Dec. −76° 2′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
n	.. ..	..	.. .. ..	.. .. ..	13.12	3.25	03,*02*	00,00	+ 179	− 335	..	..	28	00*1*0	11.33
o	.. ..	..	.. .. ..	.. .. ..	15.75	6.10	00,00	00,00	+ 650	+ 175	..	..	22	0001	11.61
p	.. ..	..	.. .. ..	.. .. ..	17.75	7.42	00,00	03,*02*	+1008	+ 412	..	..	38	0*11*1	11.83
q	.. ..	..	.. .. ..	.. .. ..	13.75	4.75	00,00	00,00	+ 292	− 66	..	..	22	0001	12.21
r	.. ..	..	.. .. ..	.. .. ..	12.60	4.92	00,00	*02*,03	+ 86	− 36	..	..	20	0000	*12.43*
s	.. ..	..	.. .. ..	.. .. ..	12.05	4.50	00,00	00,00	− 13	− 111	..	..	15	..*1*0	*12.63*
t	.. ..	..	.. .. ..	.. .. ..	13.30	2.78	00,00	0*3*,02	+ 211	− 419	..	..	..	....	*12.78*
44. RT Hydrae. R. A. 8h 24m.7, Dec. −5° 59′.															
			h. m. s.	° ′					″	″	s.	″			
V	−5° 2550	8.4	8 22 31.8	− 5 50.3	9.38	5.30	0*3*,02	00,00	0	0	..	..	..	....	..
a	−5° 2544	7.7	8 21 55.7	− 5 23.6	6.28	14.10	0*3*,02	00,00	− 555	+1575	..	..	40	0000	7.80
b	−5° 2547	8.7	8 22 20.1	− 5 32.1	8.30	11.25	00,00	00,00	− 193	+1065	..	..	40	0000	8.20
c	−5° 2564	9.1	8 24 32.7	− 5 49.9	19.35	5.45	00,00	00,00	+1785	+ 27	..	..	40	0000	8.60
d	−5° 2538	9.0	8 20 51.0	− 5 26.8	0.80	13.08	00,00	02,*03*	−1586	+1393	..	..	35	*1*0*1*0	9.00
e	−5° 2542	9.5	8 21 32.0	− 5 27.5	4.30	12.72	00,00	03,*02*	− 909	+1328	..	..	32	1000	9.35
f	.. ..	..	.. .. ..	.. .. ..	6.35	12.40	00,00	00,00	− 542	+1271	..	..	32	0010	9.67
g	−5° 2549	9.5	8 22 28.6	− 5 57.1	9.20	3.20	00,00	00,00	− 32	− 376	..	..	30	01*1*0	9.99
h	−5° 2554	9.7	8 23 5.0	− 5 48.5	12.15	5.80	00,00	00,00	+ 496	+ 90	..	..	22	0001	10.29
k	.. ..	..	.. .. ..	.. .. ..	10.35	3.62	00,00	*02*,03	+ 174	− 301	..	..	30	100*1*	10.51
l	.. ..	..	.. .. ..	.. .. ..	6.85	4.40	00,00	00,00	− 453	− 161	..	..	30	0000	10.81
m	.. ..	..	.. .. ..	.. .. ..	7.25	9.80	00,00	00,00	− 381	+ 806	..	..	40	0000	11.11
n	.. ..	..	.. .. ..	.. .. ..	7.05	5.90	00,00	00,00	− 417	+ 107	..	..	32	0100	11.51
o	.. ..	..	.. .. ..	.. .. ..	6.45	4.65	00,00	00,00	− 524	− 116	..	..	32	1000	11.83
p	.. ..	..	.. .. ..	.. .. ..	8.50	4.42	00,00	03,*02*	− 158	− 158	..	..	..	....	12.15
45. X Ursae Majoris. R. A. 8h 33m.7, Dec. +50° 30′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	8 30 21.8	+50 38.7	1.34	10.01	01,01	*01,01*	0	0	..	..	..	....	..
a	+50° 1571	8.4	8 32 40.1	+50 31.2	9.40	6.90	00,00	00,00	+1314	− 507	0.1	6	60	110*2*	8.37
b	+51° 1446	8.8	8 31 47.1	+51 10.2	6.30	21.52	00,00	03,*02*	+ 808	+1876	0.2	*13*	92	10*22*	8.97
c	+50° 1565	9.4	8 29 59.2	+50 18.5	0.00	2.60	00,00	00,00	− 218	−1208	0.4	3	30	010*1*	9.89
d	+50° 1564	9.5	8 29 53.7	+50 20.4	*0.25*	3.30	00,00	00,00	− 259	−1094	*0.8*	4	30	1*1*00	10.19
e	+50° 1560	9.4	8 28 50.5	+50 47.2	*4.00*	13.30	00,00	00,00	− 870	+ 536	0.3	2	22	1000	10.49
f	.. ..	..	.. .. ..	.. .. ..	*5.08*	8.08	03,*02*	0*3*,02	−1046	− 315	..	..	40	0*1*01	10.71
g	+50° 1567	9.5	8 30 55.1	+50 52.6	3.30	15.20	00,00	00,00	+ 319	+ 846	*0.3*	*20*	25	1100	11.11
h	.. ..	..	.. .. ..	.. .. ..	6.65	2.65	00,00	00,00	+ 866	−1200	..	..	28	0*1*00	11.36
k	.. ..	..	.. .. ..	.. .. ..	5.20	4.95	00,00	00,00	+ 629	− 825	..	..	45	0011	11.64
l	.. ..	..	.. .. ..	.. .. ..	0.80	8.15	00,00	00,00	− 88	− 303	..	..	32	11*1*0	12.09
m	.. ..	..	.. .. ..	.. .. ..	*1.70*	6.45	00,00	00,00	− 496	− 580	..	..	22	0010	12.41
n	.. ..	..	.. .. ..	.. .. ..	*1.60*	10.48	00,00	02,*03*	− 479	+ 77	..	..	..	....	12.63

46. RV HYDRAE. R. A. $8^h\ 34^m.9$, Dec. −9° 14′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	−9° 2612	7.7	8 32 42.8	− 9 4.6	3.52	5.21	*02*,03	*01,01*	0	0	..	..	..	....	..
a	−9° 2610	8.0	8 32 22.6	− 9 4.1	1.68	5.35	*03*,02	00,00	− 300	+ 23	..	..	22	0100	7.63
b	−9° 2607	8.0	8 31 58.7	− 9 31.4	*0.78*	*4.70*	03,*02*	00,00	− 701	−1615	..	..	28	0*111*	7.85
c	−9° 2597	8.5	8 29 54.1	− 9 2.0	*11.80*	5.95	00,00	00,00	−2497	+ 121	..	..	38	1*11*0	8.13
d	−8° 2444	8.0	8 32 39.0	− 8 41.5	3.10	13.65	00,00	00,00	− 68	+1376	..	..	35	*2*01*1*	8.51
e	−8° 2450	9.1	8 33 39.4	− 8 47.4	8.58	11.60	*03*,02	00,00	+ 825	+1042	..	..	25	1010	8.86
f	−9° 2619	8.9	8 33 47.5	− 9 3.6	9.35	5.68	00,00	*03*,02	+ 950	+ 77	..	..	20	0000	9.11
g	−8° 2453	9.4	8 34 4.5	− 8 44.7	10.78	12.65	*03*,02	00,00	+1183	+1218	..	..	30	0000	9.31
h	.. ..	..	.. .. ..	.. .. ..	*0.65*	1.28	00,00	02,*03*	− 680	− 641	..	..	40	10*1*0	9.61
k	−9° 2616	9.5	8 33 0.0	− 9 5.0	5.10	5.20	00,00	00,00	+ 258	− 2	..	..	38	*1101*	10.01
l	.. ..	..	.. .. ..	.. .. ..	5.22	4.28	03,*02*	02,*03*	+ 277	− 152	..	..	45	*1*021	10.39
m	.. ..	..	.. .. ..	.. .. ..	7.25	3.95	00,00	00,00	+ 608	− 205	..	..	..	....	10.84

47. W CANCRI. R. A. $9^h\ 4^m.0$, Dec. +25° 39′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	9 1 24.0	+25 49.6	*12.08*	14.58	*02*,03	*03*,02	0	0	0.0	0	..	....	..
a	+26° 1902	8.5	9 0 51.6	+26 24.6	*14.95*	27.40	00,00	00,00	− 468	+2090	0.0	*7*	26	00*11*	8.63
b	+25° 2056	8.5	9 2 52.8	+25 59.6	*4.80*	18.55	00,00	00,00	+1187	+ 647	0.0	0	40	010*1*	8.89
c	+26° 1908	9.1	9 2 48.1	+26 6.7	*5.20*	20.90	00,00	00,00	+1121	+1030	..	..	52	01*1*0	9.29
d	+25° 2051	9.3	9 0 9.6	+25 27.0	*18.10*	5.75	00,00	00,00	− 981	−1439	..	..	56	00*1*0	9.81
e	+25° 2053	9.4	9 0 43.6	+25 18.3	*15.25*	2.88	00,00	*03*,02	− 517	−1907	0.0	7	48	000*1*	10.37
f	.. ..	..	.. .. ..	.. .. ..	*9.95*	16.60	00,00	00,00	+ 347	+ 329	..	..	54	0000	10.85
g	.. ..	..	.. .. ..	.. .. ..	*12.80*	17.92	00,00	*02*,03	− 117	+ 544	..	..	60	0*11*1	11.39
h	.. ..	..	.. .. ..	.. .. ..	*11.78*	15.65	03,*02*	00,00	+ 49	+ 174	..	..	50	1*11*0	11.99
k	.. ..	..	.. .. ..	.. .. ..	*10.42*	12.00	02,*03*	00,00	+ 271	− 421	..	..	48	100.	12.49
l	.. ..	..	.. .. ..	.. .. ..	*9.00*	13.20	00,00	00,00	+ 502	− 225	..	..	40	*110*.	12.92
m	.. ..	..	.. .. ..	.. .. ..	*12.48*	14.15	03,*02*	00,00	− 65	− 70	..	..	..	....	13.32

48. RU CARINAE. R. A. $9^h\ 13^m.5$, Dec. −65° 48′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	9 12 59.8	−65 42 30	3.40	7.32	00,00	03,*02*	0	0	0.0	0	..	....	..
a	9^h 970	9.0	9 12 9.1	−65 21 14	1.75	14.52	00,00	*02*,03	− 295	+1289	0.0	0	18	0*1*00	8.96
b	9^h 1224	9.2	9 15 13.5	−66 1 51	7.80	0.82	00,00	03,*02*	+ 788	−1164	0.0	*1*	30	0*1*01	9.14
c	9^h 949	9.5	9 11 55.0	−65 38 52	1.20	8.62	00,00	03,*02*	− 394	+ 238	0.0	*1*	20	0000	9.44
d	9^h 1208	9.5	9 15 4.8	−65 59 2	7.55	1.78	00,00	02,*03*	+ 743	− 992	0.0	1	22	0100	9.64
e	−65° 1100	9.2	9 16 2.5	−65 50.1	9.62	4.68	03,*02*	02,*03*	+1113	− 473	..	..	52	30*2*0	9.86
f	.. ..	..	.. .. ..	.. .. ..	3.15	6.98	00,00	02,*03*	− 45	− 61	..	..	22	0100	10.38
g	.. ..	..	.. .. ..	.. .. ..	7.48	7.00	*03*,02	00,00	+ 730	− 57	..	..	42	110*1*	10.60
h	.. ..	..	.. .. ..	.. .. ..	3.00	9.88	00,00	02,*03*	− 72	+ 458	..	..	48	00*1*0	11.02
k	.. ..	..	.. .. ..	.. .. ..	1.65	8.60	00,00	00,00	− 313	+ 229	..	..	38	*111*0	11.50
l	.. ..	..	.. .. ..	.. .. ..	3.70	7.68	00,00	02,*03*	+ 54	+ 64	..	..	52	*2*030	11.88
m	.. ..	..	.. .. ..	.. .. ..	5.75	7.65	00,00	00,00	+ 421	+ 59	..	..	20	0.0.	12.40
n	.. ..	..	.. .. ..	.. .. ..	6.72	7.38	*02*,03	02,*03*	+ 594	+ 11	..	..	..	....	12.60

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
49. RW CARINAE. R. A. 9^h 18^m.2, Dec. −68° 20′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−68° 921	9.7	9 17 47.0	−68 13.7	8.35	8.44	00,00	01,01	0	0	. .	. .	. .	. . . .	. .
a	9^h 1752	8.5	9 21 55.0	−68 5 42	0.55	6.08	00,00	02,03	+1396	+ 422	. .	. .	25	0011	8.18
b	−67° 1064	9.2	9 16 44.5	−67 55.3	10.22	2.28	03,02	02,03	− 335	+1103	. .	. .	20	2321	8.43
c	9^h 1550	9.0	9 19 11.8	−68 52 59	5.75	21.64	00,00	00,00	+ 465	−2363	. .	. .	60	2312	8.63
d	9^h 1630	8.5	9 20 21.6	−68 6 12	3.52	6.15	02,03	00,00	+ 865	+ 410	. .	. .	25	1001	9.23
e	9^h 1438	9.5	9 17 55.8	−68 13 4	8.15	8.28	00,00	02,03	+ 36	+ 29	. .	. .	28	1110	9.48
f	. . . .	. .	. . . . . .	. . . . . .	11.10	5.62	00,00	02,03	− 492	+ 505	. .	. .	25	0011	9.76
g	. . . .	. .	. . . . . .	. . . . . .	5.35	9.52	00,00	02,03	+ 537	− 193	. .	. .	25	1001	10.01
h	. . . .	. .	. . . . . .	. . . . . .	9.75	5.42	00,00	03,02	− 251	+ 541	. .	. .	25	1001	10.26
k	. . . .	. .	. . . . . .	. . . . . .	9.58	5.28	03,02	03,02	− 220	+ 566	. .	. .	28	0001	10.51
l	. . . .	. .	. . . . . .	. . . . . .	10.05	8.38	00,00	02,03	− 304	+ 11	. .	. .	22	0001	10.79
m	. . . .	. .	. . . . . .	. . . . . .	8.85	7.85	00,00	00,00	− 90	+ 106	. .	. .	22	0010	11.01
n	. . . .	. .	. . . . . .	. . . . . .	7.75	7.95	00,00	00,00	+ 107	+ 88	. .	. .	27	001.	11.23
o	. . . .	. .	. . . . . .	. . . . . .	8.65	7.85	00,00	00,00	− 54	+ 106	. .	. .	. .	. . . .	11.50
50. −VELORUM. R. A. 9^h 20^m.4, Dec. −48° 26′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−48° 4658	10.0	9 19 27.4	−48 20.0	4.85	5.28	00,00	02,03	0	0	. .	. .	. .	. . . .	. .
a	9^h 1637	8.5	9 20 29.0	−47 56 46	8.60	12.85	00,00	00,00	+ 671	+1355	. .	. .	28	1011	8.33
b	9^h 1494	8.5	9 18 40.3	−48 31 24	2.60	1.32	00,00	03,02	− 403	− 709	. .	. .	30	0101	8.61
c	9^h 1612	9.0	9 20 3.1	−48 6 57	7.20	9.52	00,00	03,02	+ 421	+ 759	. .	. .	25	0101	8.91
d	9^h 1533	9.0	9 19 1.0	−48 35.5	3.72	0.20	02,03	00,00	− 202	− 909	. .	. .	32	0111	9.16
e	−48° 4667	9.7	9 20 10.3	−48 21.0	7.58	4.75	03,02	00,00	+ 489	− 95	. .	. .	32	0001	9.48
f	−48° 4669	9.9	9 20 19.0	−48 21.5	8.05	4.65	00,00	00,00	+ 573	− 113	. .	. .	55	1100	9.80
g	−48° 4663	10.0	9 19 47.9	−48 27.0	6.35	2.80	00,00	00,00	+ 268	− 444	. .	. .	22	0100	10.35
h	−48° 4652	10.0	9 18 47.8	−48 22.3	3.08	4.35	03,02	00,00	− 317	− 166	. .	. .	22	0010	10.57
k	−48° 4659	10.0	9 19 30.5	−48 20.9	5.25	5.10	00,00	00,00	+ 72	− 32	. .	. .	20	0000	10.79
l	−48° 4657	10.0	9 19 8.8	−48 21.2	4.20	4.65	00,00	00,00	− 116	− 113	. .	. .	28	0001	10.99
m	. . . .	. .	. . . . . .	. . . . . .	3.70	5.45	00,00	00,00	− 206	+ 30	. .	. .	35	1100	11.27
n	. . . .	. .	. . . . . .	. . . . . .	0.42	6.72	02,03	03,02	− 793	+ 258	. .	. .	22	1000	11.62
o	. . . .	. .	. . . . . .	. . . . . .	3.80	7.72	00,00	03,02	− 188	+ 437	. .	. .	40	0101	11.84
p	. . . .	. .	. . . . . .	. . . . . .	4.08	7.50	03,02	00,00	− 138	+ 397	. .	. .	32	0012	12.24
q	. . . .	. .	. . . . . .	. . . . . .	4.05	5.20	00,00	00,00	− 143	− 14	. .	. .	45	0101	12.56
r	. . . .	. .	. . . . . .	. . . . . .	6.75	4.72	00,00	03,02	+ 340	− 100	. .	. .	28	0010	13.01
s	. . . .	. .	. . . . . .	. . . . . .	4.82	6.95	02,03	00,00	− 5	+ 299	. .	. .	20	0. . 0	13.29
t	. . . .	. .	. . . . . .	. . . . . .	5.25	3.25	00,00	00,00	+ 72	− 363	. .	. .	. .	. . . .	13.49
51. R SEXTANTIS. R. A. 9^h 37^m.8, Dec. −7° 39′.															
			h. m. s.	° ′					″	″	s.	″			
V	−7° 2873	9.0	9 35 32.7	− 7 26.5	5.29	1.67	04,01	02,02	0	0	. .	. .	. .	. . . .	. .
a	−7° 2867	8.2	9 35 2.6	− 7 6.5	2.55	9.08	00,00	03,02	− 447	+1208	. .	. .	64	0111	8.10
b	−7° 2871	9.1	9 35 16.2	− 7 25.2	3.85	2.22	00,00	02,03	− 235	+ 90	. .	. .	24	0011	8.74
c	−7° 2868	9.1	9 35 9.2	− 7 21.9	3.22	3.30	02,03	00,00	− 337	+ 266	. .	. .	34	1010	8.98
d	−7° 2869	9.0	9 35 9.6	− 7 13.7	3.22	6.40	02,03	00,00	− 337	+ 771	. .	. .	56	1211	9.32

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
51. R Sextantis. R. A. 9h 37m.7, Dec. −7° 38′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
e	−7° 2872	9.6	9 35 29.2	− 7 27.8	5.10	1.22	00,00	*02*,03	− 31	− 73	. .	. .	40	010*1*	9.88
f	. . . .	. .	. . . . . .	. . . . . .	3.38	7.55	*03*,02	00,00	− 311	+ 958	. .	. .	50	010*1*	10.28
g	. . . .	. .	. . . . . .	. . . . . .	0.85	2.60	00,00	00,00	− 724	+ 152	. .	. .	46	000*1*	10.78
h	. . . .	. .	. . . . . .	. . . . . .	1.25	4.62	00,00	03,*02*	− 659	+ 481	. .	. .	54	1000	11.24
k	. . . .	. .	. . . . . .	. . . . . .	4.62	3.25	03,*02*	00,00	− 109	+ 258	. .	. .	. .	. . . .	11.78
52. Y Hydrae. R. A. 9h 46m.5, Dec. −22° 33′.															
			h. m. s.	° ′					″	″	s.	″			
V	−22° 7652	7.1	9 45 18.0	−22 25.8	2.40	8.82	00,00	*02*,03	0	0	. .	. .	. .	. . . .	. .
a	−22° 7708	8.3	9 48 40.1	−22 43.0	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. .	. .	50	00*1*1	7.*4*0
b	−22° 7695	8.4	9 47 48.1	−22 21.5	14.08	10.60	*03*,02	00,00	+2091	+ 319	. .	. .	40	0000	7.90
c	−22° 7654	8.7	9 45 28.8	−22 22.3	3.28	9.98	02,*03*	*03*,02	+ 158	+ 208	. .	. .	38	000*1*	8.30
d	−22° 7624	9.1	9 43 21.4	−22 48.0	*6.25*	1.30	00,00	00,00	−1548	−1346	. .	. .	32	1000	8.68
e	−22° 7630	8.9	9 43 34.9	−22 48.0	*5.25*	1.30	00,00	00,00	−1369	−1346	. .	. .	40	0000	9.00
f	−22° 7657	9.4	9 45 45.1	−22 33.7	4.60	6.28	00,00	02,*03*	+ 394	− 455	. .	. .	38	0*1*00	9.40
g	−22° 7635	9.7	9 43 59.4	−22 29.7	*3.62*	7.50	02,*03*	00,00	−1078	− 236	. .	. .	40	*11*20	9.78
h	−22° 7644	9.8	9 44 38.9	−22 34.6	*0.40*	6.00	00,00	00,00	− 501	− 505	. .	. .	30	000.	10.18
k	−22° 7655	9.8	9 45 36.6	−22 30.1	4.08	7.55	02,*03*	00,00	+ 301	− 227	. .	. .	45	.01.	10.48
l	−22° 7642	10.0	9 44 28.8	−22 33.8	*1.35*	6.05	00,00	00,00	− 671	− 496	. .	. .	60	. .0.	10.93
m	. . . .	. .	. . . . . .	. . . . . .	3.35	8.52	00,00	*02*,03	+ 170	− 54	. .	. .	. .	. . . .	11.53
53. X Velorum. R. A. 9h 51m.3, Dec. −41° 7′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	13539	7.5	9 50 19.4	−40 59 41	8.09	7.05	01,*04*	00,00	0	0	. .	. .	. .	. . . .	. .
a	13497	7.8	9 48 39.6	−41 15 31	1.70	1.70	00,00	00,00	−1144	− 958	. .	. .	30	*11*11	7.80
b	13556	7.5	9 50 56.4	−40 13 52	10.50	22.30	00,00	00,00	+ 431	+2730	. .	. .	30	*1*010	8.10
c	9h 3857	9.0	9 49 56.9	−40 10 22	6.70	23.52	00,00	03,*02*	− 249	+2948	. .	. .	70	*1*1*1*1	8.40
d	−40° 5594	8.7	9 48 49.4	−40 56.6	2.35	8.30	00,00	00,00	−1027	+ 224	. .	. .	80	0*1*10	9.10
e	−41° 5432	9.7	9 49 12.6	−41 7.5	3.75	4.60	00,00	00,00	− 777	− 439	. .	. .	45	0110	9.90
f	−41° 5454	9.7	9 50 42.5	−41 7.2	9.45	4.50	00,00	00,00	+ 243	− 456	. .	. .	35	0*1*0*1*	10.35
g	−40° 5639	9.4	9 52 15.4	−40 59.6	15.35	6.92	00,00	03,*02*	+1300	− 23	. .	. .	40	010*1*	10.70
h	. . . .	. .	. . . . . .	. . . . . .	2.60	7.60	00,00	00,00	− 983	+ 98	. .	. .	50	0000	11.10
k	−41° 5441	10.0	9 50 3.0	−41 5.9	7.12	4.82	*02*,03	03,*02*	− 174	− 399	. .	. .	58	*111**2*	11.60
l	. . . .	. .	. . . . . .	. . . . . .	9.70	8.90	00,00	00,00	+ 288	+ 331	. .	. .	23	0.10	12.18
m	. . . .	. .	. . . . . .	. . . . . .	8.62	7.70	*02*,03	00,00	+ 95	+ 116	. .	. .	40	1.*1*0	12.41
n	. . . .	. .	. . . . . .	. . . . . .	8.45	5.72	00,00	*02*,03	+ 64	− 238	. .	. .	27	0.*1*0	12.81
o	. . . .	. .	. . . . . .	. . . . . .	8.25	6.18	00,00	*03*,02	+ 29	− 156	. .	. .	. .	. . . .	13.08
54. RR Carinae. R. A. 9h 54m.8, Dec. −58° 23′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	13624	8.0	9 54 1.8	−58 15 54	3.25	4.32	00,00	*02*,*02*	0	0	. .	. .	. .	. . . .	. .
a	9h 4150	8.5	9 53 57.6	−58 29 25	3.38	8.88	*03*,02	02,*03*	− 23	− 816	. .	. .	52	0010	8.22
b	9h 4212	9.2	9 54 41.1	−58 9 45	1.60	2.28	00,00	02,*03*	+ 295	+ 365	. .	. .	50	0000	8.74
c	9h 4065	8.5	9 52 44.3	−58 12 52	6.75	3.40	00,00	00,00	− 626	+ 165	. .	. .	52	0*1*11	9.24
d	−58° 1734	9.2	9 53 49.0	−58 26.8	3.80	8.10	00,00	00,00	− 98	− 677	. .	. .	50	0000	9.76
e	−58° 1720	9.8	9 53 10.5	−58 20.3	5.58	5.90	*03*,02	00,00	− 417	− 283	. .	. .	. .	. . . .	10.26

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
55. U Ursae Majoris. R. A. 10^h 8^m.3, Dec. +60° 31′.															
			h. m. s.	° ′					″	″	s.	″			
V	+60° 1246	6.3	10 5 7.5	+60 43.7	4.96	6.60	*01,01*	00,00	0	0	. .	. .	. .	. . . .	. .
a	+60° 1250	6.7	10 6 2.8	+60 51.9	7.60	10.25	00,00	00,00	+ 430	+ 595	. .	. .	98	*11*01	6.91
b	+61° 1172	7.5	10 2 33	+61 47.5	*1.05*	30.95	00,00	00,00	− 980	+3969	. .	. .	30	010*1*	7.89
c	+61° 1170	7.8	10 2 28	+61 13.0	*1.68*	18.70	*02*,03	00,00	−1082	+1972	. .	. .	45	0101	8.19
d	+61° 1174	8.0	10 3 42	+61 19.5	1.68	20.30	*03*,02	00,00	− 535	+2233	. .	. .	30	*11*02	8.63
e	+60° 1244	8.9	10 4 12.5	+60 36.4	2.60	4.30	00,00	00,00	− 385	− 375	. .	. .	42	0*1*11	8.94
f	+60° 1247	9.3	10 5 15.8	+60 16.1	5.25	*2.90*	00,00	00,00	+ 47	−1548	. .	. .	42	101*1*	9.36
g	+60° 1249	9.5	10 5 54.2	+60 38.8	7.22	4.80	*02*,03	00,00	+ 368	− 293	. .	. .	22	110*1*	9.78
h	. . . .	. .	. . . . . .	. . . . . .	4.62	5.08	*02*,03	*03*,02	− 55	− 248	. .	. .	45	111*1*	10.00
k	. . . .	. .	. . . . . .	. . . . . .	7.05	3.60	00,00	00,00	+ 341	− 489	. .	. .	30	100*1*	10.45
l	. . . .	. .	. . . . . .	. . . . . .	4.05	3.95	00,00	00,00	− 148	− 432	. .	. .	48	1*1*0*1*	10.75
m	. . . .	. .	. . . . . .	. . . . . .	3.20	3.58	00,00	*03*,02	− 287	− 492	. .	. .	25	0110	11.23
n	. . . .	. .	. . . . . .	. . . . . .	3.85	3.58	00,00	02,*03*	− 181	− 492	. .	. .	. .	. . . .	11.48
56. Z Carinae. R. A. 10^h 10^m.4, Dec. −58° 21′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	10 9 35.2	−58 13 56	8.24	4.92	*04*,01	*02*,*02*	0	0	. .	. .	. .	. . . .	. . . .
1	10^h 907	9.0	10 12 15.8	−58 13 36	15.30	4.95	00,00	00,00	+1264	+ 5	0.4	15	. .	. . . .	. . . .
a	10^h 542	6.8	10 7 18.7	−58 12 42	2.25	5.35	00,00	00,00	−1072	+ 77	*0.6*	*3*	32	002*1*	7.95
b	10^h 571	8.5	10 7 41.3	−58 20 15	3.25	2.75	00,00	00,00	− 893	− 388	*0.6*	9	32	0010	8.27
c	10^h 559	9.5	10 7 31.2	−58 13 32	2.75	5.18	00,00	*03*,02	− 983	+ 47	0.6	*22*	42	011*1*	8.59
d	−58° 2018	9.5	10 9 38.5	−58 18.9	8.30	3.30	00,00	00,00	+ 11	− 290	. .	. .	38	*1*000	9.01
e	−58° 2025	9.5	10 10 25.0	−58 12.5	10.40	5.40	00,00	00,00	+ 387	+ 86	. .	. .	35	0*1*0*1*	9.39
f	−58° 2013	9.8	10 9 9.5	−58 9.7	7.10	6.35	00,00	00,00	− 204	+ 256	. .	. .	38	10*11*	9.74
g	. . . .	. .	. . . . . .	. . . . . .	8.32	6.30	*02*,03	00,00	+ 14	+ 247	. .	. .	38	01*11*	10.12
h	. . . .	. .	. . . . . .	. . . . . .	9.10	6.25	00,00	00,00	+ 154	+ 238	. .	. .	40	10*1*0	10.50
k	. . . .	. .	. . . . . .	. . . . . .	9.18	6.88	*03*,02	02,*03*	+ 168	+ 351	. .	. .	42	011*1*	10.90
l	. . . .	. .	. . . . . .	. . . . . .	7.90	5.10	00,00	00,00	− 61	+ 32	. .	. .	48	1*1*0*1*	11.32
m	. . . .	. .	. . . . . .	. . . . . .	7.18	4.80	*03*,02	00,00	− 190	− 21	. .	. .	37	.1*11*	11.80
n	. . . .	. .	. . . . . .	. . . . . .	8.08	4.38	02,*03*	*03*,02	− 29	− 97	. .	. .	27	.*1*00	12.17
o	. . . .	. .	. . . . . .	. . . . . .	7.00	5.20	00,00	00,00	− 222	+ 50	. .	. .	25	1100	12.44
p	. . . .	. .	. . . . . .	. . . . . .	8.00	5.72	00,00	*02*,03	− 43	+ 143	. .	. .	18	0*1*00	*12.69*
q	. . . .	. .	. . . . . .	. . . . . .	8.10	5.78	00,00	*03*,02	− 25	+ 154	. .	. .	35	.*1*.0	*12.87*
r	. . . .	. .	. . . . . .	. . . . . .	7.42	4.82	03,*02*	03,*02*	− 147	− 18	. .	. .	. .	. . . .	*13.22*
57. U Antliae. R. A. 10^h 30^m.8, Dec. −39° 3′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	10^h 2143	6.0	10 29 40.0	−38 55 0	10.22	5.77	03,*02*	*02*,03	0	0	. .	. .	. .	. . . .	. . . .
a	10^h 2039	7.5	10 28 0.0	−39 35 35	3.80	*7.80*	00,00	00,00	−1149	−2429	. .	. .	20	0000	7.98
b	10^h 1993	8.5	10 27 26.0	−39 17 14	1.55	*1.70*	00,00	00,00	−1552	−1337	. .	. .	28	000*1*	8.18
c	10^h 2011	8.8	10 27 39.8	−39 8 23	2.35	1.30	00,00	00,00	−1409	− 800	. .	. .	42	021*2*	8.46
d	10^h 2133	9.0	10 29 30.6	−38 54 26	9.58	6.10	*03*,02	00,00	− 115	+ 59	. .	. .	20	1*1*00	8.88
e	10^h 2174	9.0	10 30 5.6	−38 56 41	11.80	5.30	00,00	00,00	+ 283	− 84	. .	. .	32	*1*011	9.08
f	−38° 6585	9.6	10 29 52.1	−38 38.2	10.95	11.58	00,00	02,*03*	+ 131	+1040	. .	. .	22	0010	9.40
g	−39° 6510	9.3	10 29 52.4	−39 5.8	11.10	2.25	00,00	00,00	+ 158	− 630	. .	. .	58	00*2*1	9.62

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
57. U Antliae. R. A. 10h 30m.8, Dec. −39° 8′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
h	−38° 6576	10.0	10 29 38.1	−38 53.2	10.12	6.70	*02*,03	00,00	− 18	+ 166	. .	. .	20	*1*010	10.20
k	−38° 6577	9.7	10 29 38.2	−38 45.7	10.22	8.70	*02*,03	00,00	0	+ 524	. .	. .	28	00*1*0	10.40
l	−38° 6570	9.7	10 29 13.1	−38 54.0	8.40	6.22	00,00	03,*02*	− 326	+ 81	. .	. .	22	0100	10.68
m	−38° 6595	9.9	10 30 21.8	−38 55.7	12.85	5.42	00,00	03,*02*	+ 471	− 63	. .	. .	18	00*1*0	10.90
n	R	R	10 28 40.3	−39 0.0	6.30	4.20	00,00	00,00	− 702	− 281	. .	. .	42	0*11*1	11.08
o	. . . .	. .	. . . . . .	. . . . . .	10.10	7.32	00,00	03,*02*	− 21	+ 277	. .	. .	. .	. . . .	11.50
58. −Carinae. R. A. 10h 32m.8, Dec. −70° 12′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	10 32 5.7	−70 4 13	7.86	5.00	04,*01*	00,00	0	0	. .	. .	. .	. . . .	. .
a	−69° 1304	7.9	10 31 37.0	−69 58.1	5.98	11.32	02,*03*	*02*,03	− 113	+ 879	*0.5*	0	68	1*101*	7.48
b	10h 2365	8.5	10 32 45.4	−70 4 45	11.25	4.20	00,00	00,00	+ 203	− 48	*0.1*	*6*	18	000*1*	8.16
c	10h 2449	8.0	10 33 42.3	−70 11 25	15.47	*2.95*	03,03	00,00	+ 457	− 477	0	19	68	10*2*0	8.34
d	−69° 1305	9.4	10 31 41.0	−69 52.1	6.85	17.25	00,00	00,00	− 61	+ 735	*1.1*	0	52	03*11*	9.02
e	−70° 1151	9.5	10 34 35.0	−70 1.0	20.90	7.18	00,00	02,*03*	+ 782	+ 131	*1.2*	*12*	48	000*1*	9.54
f	−69° 1296	9.7	10 30 46.0	−69 59.0	1.37	10.93	*02*,03	*03*,02	− 389	+ 356	1.9	*5*	28	*11*01	10.02
g	−69° 1294	9.8	10 30 21.0	−69 57.1	*0.60*	12.85	00,00	00,00	− 508	+ 471	1.8	5	55	*11*00	10.30
h	. . . .	. .	. . . . . .	. . . . . .	15.75	1.10	00,00	00,00	+ 473	− 234	. .	. .	22	0100	10.85
k	. . . .	. .	. . . . . .	. . . . . .	6.90	10.45	00,00	00,00	− 58	+ 327	. .	. .	12	01*11*	11.07
l	. . . .	. .	. . . . . .	. . . . . .	8.25	10.30	00,00	00,00	+ 23	+ 318	. .	. .	25	1010	11.19
m	. . . .	. .	. . . . . .	. . . . . .	17.40	5.15	00,00	00,00	+ 572	+ 9	. .	. .	22	1000	11.44
n	. . . .	. .	. . . . . .	. . . . . .	12.20	4.68	00,00	*03*,02	+ 260	− 19	. .	. .	20	0000	11.66
o	. . . .	. .	. . . . . .	. . . . . .	5.75	8.72	00,00	*02*,03	− 127	+ 223	. .	. .	30	0.00	11.86
p	. . . .	. .	. . . . . .	. . . . . .	4.52	5.70	03,03	00,00	− 200	+ 42	. .	. .	40	*11*. .	12.16
q	. . . .	. .	. . . . . .	. . . . . .	8.84	4.68	01,06	02,*03*	+ 59	− 19	. .	. .	25	01. .	*12.56*
r	. . . .	. .	. . . . . .	. . . . . .	7.36	5.25	04,*01*	00,00	− 30	+ 15	. .	. .	15	*10*. .	*12.81*
s	. . . .	. .	. . . . . .	. . . . . .	7.15	2.85	00,00	00,00	− 43	− 159	. .	. .	. .	. . . .	*12.96*
59. RX Carinae. R. A. 10h 33m.2, Dec. −61° 48′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	10 32 17.1	−61 40 10	0.42	6.39	03,03	01,01	0	0	. .	. .	. .	. . . .	. .
a	10h 2381	8.5	10 33 3.8	−60 58 46	2.25	20.30	00,00	00,00	+ 328	+2490	*0.6*	5	28	0*1*00	8.61
b	10h 2461	9.0	10 33 52.9	−61 38 10	4.28	7.20	*03*,02	00,00	+ 691	+ 145	0	*4*	10	10*1*0	8.89
c	10h 2231	9.0	10 30 48.4	−61 2 59	*3.25*	18.75	00,00	00,00	− 657	+2212	0.6	*2*	25	2000	8.99
d	−61° 1720	9.2	10 30 9.7	−61 53.6	*4.48*	1.88	03,*02*	*03*,02	− 877	− 807	. .	. .	38	01*11*	9.24
e	−61° 1727	9.6	10 30 46.0	−61 41.2	*3.10*	6.08	00,00	02,*03*	− 630	− 55	. .	. .	32	20*1*0	9.62
f	. . . .	. .	. . . . . .	. . . . . .	0.88	6.35	*03*,02	00,00	+ 82	− 7	. .	. .	28	0*11*1	9.94
g	. . . .	. .	. . . . . .	. . . . . .	*3.80*	5.58	00,00	*03*,02	− 755	− 145	. .	. .	25	0011	10.22
h	. . . .	. .	. . . . . .	. . . . . .	*1.00*	5.78	00,00	02,*03*	− 254	− 109	. .	. .	25	0110	10.47
k	. . . .	. .	. . . . . .	. . . . . .	*1.00*	4.55	00,00	00,00	− 254	− 329	. .	. .	28	1*11*0	10.72
l	. . . .	. .	. . . . . .	. . . . . .	*0.98*	6.80	*02*,03	00,00	− 251	+ 73	. .	. .	28	000*1*	11.00
m	. . . .	. .	. . . . . .	. . . . . .	*1.30*	6.68	00,00	02,*03*	− 308	+ 52	. .	. .	22	2*1*00	11.28
n	. . . .	. .	. . . . . .	. . . . . .	*0.20*	7.18	00,00	*03*,02	− 111	+ 141	. .	. .	25	2000	11.50
o	. . . .	. .	. . . . . .	. . . . . .	0.30	6.62	00,00	03,*02*	− 21	+ 41	. .	. .	37	1.*11*	11.75
p	. . . .	. .	. . . . . .	. . . . . .	0.20	6.65	00,00	00,00	− 39	+ 47	. .	. .	. .	. . . .	12.12

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
60. RT Carinae. R. A. $10^h 40^m.9$, Dec. −58° 54′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	R	8.8	10 39 55.9	−58 45 41	3.20	4.73	00,00	02,02	0	0	. .	. .	. .	. . . .	. .
a	R	9.2	10 40 25.6	−58 44 12	4.35	5.25	00,00	00,00	+ 206	+ 93	. .	. .	38	000*1*	8.85
b	R	9.5	10 40 28.1	−58 37 41	4.48	7.38	*03*,02	02,*03*	+ 229	+ 474	. .	. .	25	0110	9.23
c	−58° 2656	9.1	10 39 51.5	−58 43.6	2.82	5.40	03,*02*	00,00	− 68	+ 120	. .	. .	40	0000	9.48
d	−58° 2666	9.7	10 40 2.5	−58 48.4	3.32	3.70	03,*02*	00,00	+ 21	− 184	. .	. .	28	000*1*	9.88
e	R	9.5	10 39 20.0	−58 46 27	1.50	4.40	00,00	00,00	− 304	− 59	. .	. .	30	0000	10.16
f	−58° 2636	9.8	10 39 27.5	−58 46.1	1.80	4.55	00,00	00,00	− 251	− 32	. .	. .	38	000*1*	10.46
g	. . . .	. .	. . . . . .	. . . . . .	2.60	4.92	00,00	*02*,03	− 107	+ 34	. .	. .	35	0*1*0*1*	10.84
h	. . . .	. .	. . . . . .	. . . . . .	2.35	3.62	00,00	*02*,03	− 152	− 199	. .	. .	32	*1*101	11.19
k	. . . .	. .	. . . . . .	. . . . . .	3.70	5.25	00,00	00,00	+ 90	+ 93	. .	. .	20	0000	11.51
l	. . . .	. .	. . . . . .	. . . . . .	3.45	5.18	00,00	02,*03*	+ 45	+ 81	. .	. .	35	*1*00*1*	11.71
m	. . . .	. .	. . . . . .	. . . . . .	3.15	4.95	00,00	00,00	− 9	+ 39	. .	. .	. .	. . . .	12.06
61. RW Centauri. R. A. $11^h 2^m.9$, Dec. −54° 35′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	11^h 129	9.0	11 1 50.8	−54 26 45	4.24	6.13	01,01	02,*03*	0	0	. .	. .	. .	. . . .	. .
a	11^h 250	9.0	11 3 18.9	−54 14 26	8.40	10.30	00,00	00,00	+ 745	+ 746	. .	. .	15	*1*0*1*0	8.29
b	11^h 311	9.0	11 4 15.7	−54 37 38	11.30	2.60	00,00	00,00	+1264	− 632	. .	. .	28	00*1*0	8.44
c	11^h 329	8.0	11 4 31.6	−54 33 24	12.10	4.08	00,00	02,*03*	+1407	− 367	. .	. .	28	00*1*0	8.72
d	11^h 241	8.5	11 3 15.4	−54 40 39	8.35	1.50	00,00	00,00	+ 736	− 829	. .	. .	35	0*12*	9.00
e	11^h 115	9.0	11 1 34.3	−54 22 57	3.35	7.35	00,00	00,00	− 159	+ 218	. .	. .	32	110*1*	9.35
f	−54° 4310	9.4	11 0 44.3	−54 32.4	1.10	4.10	00,00	00,00	− 562	− 363	. .	. .	28	00*1*0	9.67
g	−54° 4335	9.6	11 2 54.6	−54 27.9	7.30	5.70	00,00	00,00	+ 548	− 77	. .	. .	45	1*1*11	9.95
h	−54° 4311	10.0	11 1 1.3	−54 32.8	1.80	3.98	00,00	*03*,02	− 437	− 385	. .	. .	45	0002	10.40
k	. . . .	. .	. . . . . .	. . . . . .	4.60	5.25	00,00	00,00	+ 64	− 158	. .	. .	18	0*11*	10.85
l	. . . .	. .	. . . . . .	. . . . . .	5.70	4.20	00,00	00,00	+ 261	− 345	. .	. .	25	0101	11.03
m	. . . .	. .	. . . . . .	. . . . . .	3.70	4.60	00,00	00,00	− 97	− 274	. .	. .	50	*1*001	11.28
n	. . . .	. .	. . . . . .	. . . . . .	3.40	5.65	00,00	00,00	− 150	− 86	. .	. .	. .	. . . .	11.78
62. RS Carinae. R. A. $11^h 3^m.8$, Dec. −61° 23′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	11 2 46.1	−61 15 22	7.12	4.10	*02*,*02*	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	11^h 270	8.0	11 3 36.6	−60 52 56	9.38	11.52	*03*,02	03,*02*	+ 405	+1328	0.8	6	48	00*1*0	7.47
b	11^h 112	8.0	11 1 31.8	−61 10 46	4.22	5.72	*02*,03	*02*,03	− 519	+ 290	*1.0*	5	40	0000	7.95
c	11^h 243	8.5	11 3 15.4	−60 56 59	8.55	10.25	00,00	00,00	+ 256	+1101	*0.8*	*7*	50	*11*11	8.35
d	11^h 21	9.0	11 0 20.4	−61 10 15	1.30	6.02	00,00	*02*,03	−1042	+ 344	0.0	*1*	55	0*11*0	8.85
e	11^h 160	8.3	11 2 13.2	−61 18 19	5.75	3.22	00,00	03,*02*	− 245	− 158	0.1	*10*	40	*1*02*1*	9.40
f	11^h 153	10.0	11 2 4.2	−61 22 23	5.35	1.75	00,00	00,00	− 317	− 421	*0.1*	12	30	010*1*	9.80
g	−61° 2081	9.2	11 4 38.5	−61 14.7	11.65	4.25	00,00	00,00	+ 811	+ 27	. .	. .	55	*3*02*1*	10.10
h	. . . .	. .	. . . . . .	. . . . . .	8.80	1.25	00,00	00,00	+ 301	− 510	. .	. .	. .	. . . .	R
k	−61° 2080	9.8	11 4 36.5	−61 22.2	11.42	1.60	*02*,03	00,00	+ 770	− 448	. .	. .	20	100*1*	10.65
l	. . . .	. .	. . . . . .	. . . . . .	7.20	3.70	00,00	00,00	+ 14	− 72	. .	. .	28	*1*10*1*	10.85
m	. . . .	. .	. . . . . .	. . . . . .	7.62	4.60	*02*,03	00,00	+ 90	+ 90	. .	. .	20	01*1*0	11.13
n	. . . .	. .	. . . . . .	. . . . . .	6.25	3.18	00,00	*03*,02	− 156	− 165	. .	. .	40	0000	11.33
o	. . . .	. .	. . . . . .	. . . . . .	8.35	3.30	00,00	00,00	+ 220	− 143	. .	. .	55	0*11*0	11.73

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
62. RS Carinae. R. A. $11^h\ 3^m.8$, Dec. −61° 23′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
p	.. ..	..	.. .. ..	.. .. ..	7.78	4.60	02,*03*	00,00	+ 118	+ 90	..	..	45	1100	12.28
q	.. ..	..	.. .. ..	.. .. ..	7.12	3.28	*02*,03	*03*,02	0	− 147	..	..	30	001*1*	12.73
r	.. ..	..	.. .. ..	.. .. ..	7.40	3.85	00,00	00,00	+ 50	− 134	..	..	30	0000	13.03
s	.. ..	..	.. .. ..	.. .. ..	7.55	3.72	00,00	*02*,03	+ 77	− 68	..	..	40	0000	13.33
t	.. ..	..	.. .. ..	.. .. ..	6.78	3.75	02,*03*	00,00	− 61	− 63	..	..	50	.0..	13.73
u	.. ..	..	.. .. ..	.. .. ..	7.85	3.90	00,00	00,00	+ 131	− 36	..	..	..	....	14.23
63. RS Centauri. R. A. $11^h\ 16^m.1$, Dec. −61° 20′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	11 15 1.0	−61 11 22	*0.55*	6.45	00,00	00,00	0	0	..	..	..	....	....
1	11^h 1072	9.5	11 15 10.3	−61 18 11	*0.15*	4.25	00,00	00,00	+ 72	− 394	0.5	*14*	..	....	....
2	11^h 1128	7.8	11 16 4.8	−60 32 33	1.78	19.45	02,*03*	00,00	+ 417	+2327	*0.1*	10	..	....	....
3	11^h 1213	8.0	11 17 17.4	−61 23 34	5.05	2.48	00,00	02,*03*	+1002	− 711	0.1	0	..	....	....
a	11^h 961	9.0	11 13 27.1	−60 57 46	*4.45*	10.90	00,00	00,00	− 698	+ 797	0.3	7	55	0*11*0	8.29
b	11^h 884	9.0	11 12 12.1	−60 57 7	*7.48*	11.08	03,*02*	02,*03*	−1240	+ 829	..	..	50	10*1*0	8.84
c	−61° 2228	9.0	11 16 7.5	−61 4.6	2.20	8.78	00,00	*03*,02	+ 492	+ 417	..	..	42	0100	9.34
d	−61° 2220	9.4	11 15 28.5	−61 4.1	0.52	8.98	03,*02*	*03*,02	+ 192	+ 453	..	..	32	*1*110	9.76
e	11^h 1052	9.2	11 14 52.4	−61 15 41	*0.82*	5.08	*03*,02	02,*03*	− 48	− 245	*1.2*	*14*	35	0*11*0	10.08
f	−61° 2222	9.4	11 15 47.5	−61 21.3	1.38	3.20	02,*03*	00,00	+ 345	− 582	..	..	38	0*1*00	10.43
g	−61° 2235	9.9	11 16 17.0	−61 15.0	2.52	5.35	03,*02*	00,00	+ 550	− 197	..	..	32	0010	10.81
h	−61° 2221	10.0	11 15 43.0	−61 5.6	1.20	8.48	00,00	*03*,02	+ 313	+ 363	..	..	40	*1*010	11.13
k	.. ..	..	.. .. ..	.. .. ..	*0.30*	7.05	00,00	00,00	+ 45	+ 107	..	..	82	1000	11.53
l	.. ..	..	.. .. ..	.. .. ..	*0.18*	5.85	*02*,03	00,00	+ 66	− 107	..	..	35	*1*00*1*	11.85
m	.. ..	..	.. .. ..	.. .. ..	*1.62*	6.25	*03*,02	00,00	− 192	− 36	..	..	45	*1*111	12.20
n	.. ..	..	.. .. ..	.. .. ..	*1.25*	5.80	00,00	00,00	− 125	− 116	..	..	..	....	12.65
64. X Centauri. R. A. $11^h\ 44^m.2$, Dec. −41° 12′.															
			h. m. s.	° ′					″	″	s.	″			
V	−41° 6787	10.0	11 42 56.9	−41 3.6	5.66	2.28	*01,01*	02,02	0	0	..	..	..	....	....
a	−41° 6822	7.8	11 46 39.3	−41 5.1	19.75	1.72	00,00	*02*,03	+2522	− 100	..	..	106	0*1*00	7.49
b	−40° 6965	9.0	11 43 11.0	−40 40.1	6.62	10.20	*02*,03	00,00	+ 172	+1418	..	..	48	*1*000	8.55
c	−40° 6978	9.8	11 44 28.6	−40 55.9	11.45	4.92	00,00	03,*02*	+1036	+ 473	..	..	46	0*111*	9.03
d	−40° 6956	9.4	11 42 9.2	−40 49.4	2.68	7.10	02,*03*	00,00	− 533	+ 863	..	..	50	1*1*00	9.49
e	−40° 6972	9.5	11 44 3.9	−40 52.4	10.10	6.20	00,00	00,00	+ 795	+ 702	..	..	34	0100	9.99
f	−40° 6962	9.9	11 43 4.6	−40 57.9	6.25	4.15	00,00	00,00	+ 106	+ 335	..	..	38	00*11*	10.33
g	−41° 6788	9.7	11 42 57.0	−41 5.8	5.75	1.70	00,00	00,00	+ 16	− 104	..	..	38	1*2*00	10.71
h	−41° 6780	10.0	11 42 0.4	−41 0.9	2.20	3.30	00,00	00,00	− 619	+ 183	..	..	64	1011	11.09
k	.. ..	..	.. .. ..	.. .. ..	3.25	3.00	00,00	00,00	− 431	+ 129	..	..	52	*1*1*1*0	11.73
l	.. ..	..	.. .. ..	.. .. ..	5.35	2.68	00,00	02,*03*	− 55	+ 72	..	..	47	00*1*.	12.25
m	.. ..	..	.. .. ..	.. .. ..	6.30	2.25	00,00	00,00	+ 115	− 5	..	..	..	....	12.75
65. W Centauri. R. A. $11^h\ 50^m.0$, Dec. −58° 42′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	11^h 3351	..	11 48 47.8	−58 33 28	3.75	10.58	00,00	*03,03*	0	0	..	..	..	....	..
a	11^h 3548	8.0	11 51 48.6	−58 53 48	11.60	3.82	00,00	03,*02*	+1405	−1210	..	..	38	000*1*	7.41

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
65. W CENTAURI. R. A. 11h 50m.0, Dec. −58° 42′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
b	11h 3561	7.8	11 52 3.1	−59 3 31	12.25	0.60	00,00	00,00	+1522	−1586	. .	. .	54	*1*101	7.79
c	11h 3594	9.0	11 52 29.9	−58 57 7	13.42	2.70	*02*,03	00,00	+1731	−1411	. .	. .	64	*2*133	8.33
d	11h 3343	9.0	11 48 43.0	−58 30 36	3.52	11.50	*02*,03	00,00	− 41	+ 165	. .	. .	54	0021	8.97
e	11h 3431	9.5	11 49 49.4	−58 34 32	6.38	10.30	*03*,02	00,00	+ 471	− 50	. .	. .	52	0*1*11	9.51
f	−58°3905	9.2	11 47 29.0	−58 37.1	0.35	9.30	00,00	00,00	− 609	− 229	. .	. .	28	0*121*	10.03
g	11h 3298	9.0	11 47 58.3	−58 36 13	1.62	9.65	*02*,03	00,00	− 381	− 166	. .	. .	34	*1*120	10.31
h	−58°3928	9.6	11 49 13.0	−58 43.9	4.95	7.18	00,00	*03*,02	+ 215	− 609	. .	. .	48	0*1*20	10.65
k	R	. .	. . . . . .	. . . . . .	1.15	10.90	00,00	00,00	− 465	+ 57	. .	. .	52	0010	11.13
l	R	. .	. . . . . .	. . . . . .	1.02	10.72	03,*02*	03,*02*	− 489	+ 25	. .	. .	40	0*1*01	11.65
m	. . . .	. .	. . . . . .	. . . . . .	2.38	11.20	02,*03*	00,00	− 245	+ 111	. .	. .	40	0*1*01	12.05
n	. . . .	. .	. . . . . .	. . . . . .	3.35	10.48	00,00	02,*03*	− 72	− 18	. .	. .	40	0000	12.45
o	. . . .	. .	. . . . . .	. . . . . .	4.28	10.75	*03*,02	00,00	+ 95	+ 30	. .	. .	36	1*12*0	12.85
p	. . . .	. .	. . . . . .	. . . . . .	4.00	10.33	00,00	00,00	+ 45	− 45	. .	. .	. .	. . . .	13.21
66. RX VIRGINIS. R. A. 11h 59m.6, Dec. −5° 13′.															
			h. m. s.	° ′					″	″	s.	″			
V	− 4°3199	8.7	11 57 19.7	− 4 57.7	1.70	4.92	00,00	*02*,*02*	0	0	. .	. .	. .	. . . .	. .
a	− 4°3192	7.2	11 56 10.0	− 4 40.1	*4.20*	10.72	00,00	*02*,03	−1056	+1088	. .	. .	35	0*1*0*1*	6.24
b	− 4°3219	6.8	12 2 22.2	− 4 24.8	26.75	16.30	00,00	00,00	+4484	+2087	. .	. .	32	1000	6.59
c	− 6°3499	6.3	11 55 26.7	− 6 52.5	*7.20*	*33.60*	00,00	00,00	−1598	−6895	. .	. .	42	0001	6.91
d	− 5°3416	6.7	11 58 9.1	− 5 2.0	5.85	3.58	00,00	02,*03*	+ 743	− 240	. .	. .	38	*1*000	7.33
e	− 5°3419	8.0	11 58 23.8	− 5 2.8	7.10	3.35	00,00	00,00	+ 967	− 281	. .	. .	40	0000	7.71
f	− 5°3423	7.8	11 59 47.1	− 5 16.0	14.20	*1.15*	00,00	00,00	+2238	−1087	. .	. .	30	0000	8.11
g	− 5°3422	8.7	11 59 25.4	− 5 52.9	12.45	*13.52*	00,00	02,*03*	+1924	−3301	. .	. .	22	0010	8.41
h	− 5°3420	8.8	11 58 25.8	− 5 44.0	7.35	*10.38*	00,00	03,*02*	+1011	−2739	. .	. .	38	*1*000	8.63
k	− 5°3413	8.9	11 57 26.1	− 5 23.5	2.35	*3.60*	00,00	00,00	+ 116	−1525	. .	. .	32	0001	9.01
l	− 5°3430	9.3	12 0 22.8	− 5 40.3	17.20	*8.90*	00,00	00,00	+2774	−2474	. .	. .	42	101*1*	9.33
m	− 5°3431	9.5	12 0 34.3	− 5 55.4	18.15	*13.98*	00,00	03,*02*	+2945	−3383	. .	. .	. .	. . . .	9.75
67. RW VIRGINIS. R. A. 12h 2m.1, Dec. −6° 12′.															
			h. m. s.	° ′					″	″	s.	″			
V	− 5°3424	7.0	11 59 48.0	− 5 57.2	14.39	*14.72*	01,*04*	02,*03*	0	0	. .	. .	. .	. . . .	. .
a	− 4°3192	7.2	11 56 10.0	− 4 40.1	*4.20*	10.72	00,00	*02*,03	−3328	+4554	. .	. .	35	0*1*0*1*	6.24
b	− 4°3219	6.8	12 2 22.2	− 4 24.8	26.75	16.30	00,00	00,00	+2212	+5553	. .	. .	32	1000	6.59
c	− 6°3499	6.3	11 55 26.7	− 6 52.5	*7.20*	*33.60*	00,00	00,00	−3865	−3380	. .	. .	42	0001	6.91
d	− 5°3416	6.7	11 58 9.1	− 5 2.0	5.85	3.58	00,00	02,*03*	−1529	+3276	. .	. .	38	*1*000	7.33
e	− 5°3419	8.0	11 58 23.8	− 5 2.8	7.10	3.35	00,00	00,00	−1305	+3235	. .	. .	40	0000	7.71
f	− 5°3423	7.8	11 59 47.1	− 5 16.0	14.20	*1.15*	00,00	00,00	− 34	+2429	. .	. .	30	0000	8.11
g	− 5°3422	8.7	11 59 25.4	− 5 52.9	12.45	*13.52*	00,00	02,*03*	− 347	+ 215	. .	. .	22	0010	8.41
h	− 5°3420	8.8	11 58 25.8	− 5 44.0	7.35	*10.38*	00,00	03,*02*	−1260	+ 777	. .	. .	38	*1*000	8.63
k	− 5°3418	8.9	11 57 26.1	− 5 23.5	2.35	*3.60*	00,00	00,00	−2155	+1990	. .	. .	32	0001	9.01
l	− 5°3430	9.3	12 0 22.8	− 5 40.3	17.20	*8.90*	00,00	00,00	+ 503	+1042	. .	. .	42	101*1*	9.33
m	− 5°3431	9.5	12 0 34.3	− 5 55.4	18.15	*13.98*	00,00	03,*02*	+ 673	+ 132	. .	. .	. .	. . . .	9.75

68. – VIRGINIS. R. A. 12h 15m.2, Dec. – 8° 27′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	– 8° 3329	9.0	12 12 53.9	– 8 12.3	7.29	8.55	01,01	00,00	0	0	. .	. .	. .	. . . .	. .
a	– 8° 3331	8.9	12 13 40.9	– 8 10.8	11.20	8.75	00,00	00,00	+ 700	+ 36	. .	. .	22	0100	8.35
b	– 8° 3321	8.8	12 11 33.1	– 8 33.8	0.65	1.15	00,00	00,00	– 1189	– 1325	. .	. .	55	010*1*	8.57
c	– 8° 3334	9.1	12 14 45.2	– 8 4.2	16.35	11.12	00,00	*02*,03	+ 1622	+ 460	. .	. .	45	0011	9.12
d	– 8° 3324	9.3	12 12 4.6	– 8 15.0	3.22	7.25	*02*,03	00,00	– 729	– 233	. .	. .	40	1*1*00	9.57
e	– 8° 3328	9.5	12 12 52.3	– 8 15.0	7.18	7.40	*03*,02	00,00	– 20	– 206	. .	. .	28	00*1*0	9.97
f	. . . .	. .	. . . . . .	. . . . . .	2.20	8.72	00,00	*02*,03	– 911	+ 30	. .	. .	25	0011	10.25
g	. . . .	. .	. . . . . .	. . . . . .	9.68	8.35	02,*03*	00,00	+ 428	– 36	. .	. .	28	000*1*	10.50
h	. . . .	. .	. . . . . .	. . . . . .	9.05	8.30	00,00	00,00	+ 315	– 45	. .	. .	42	1*1*01	10.78
k	. . . .	. .	. . . . . .	. . . . . .	10.05	9.82	00,00	*02*,03	+ 494	+ 227	. .	. .	15	*1*0*1*0	11.20
l	. . . .	. .	. . . . . .	. . . . . .	5.70	9.40	00,00	00,00	– 285	+ 152	. .	. .	45	0110	11.35
m	. . . .	. .	. . . . . .	. . . . . .	8.75	8.78	00,00	*03*,02	+ 261	+ 41	. .	. .	. .	. . . .	11.80

69. U CRUCIS. R. A. 12h 26m.9, Dec. – 57° 1′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	12 25 27.5	– 56 53 22	*2.05*	9.30	00,00	00,00	0	0	. .	. .	. .	. . . .	. . . .
1	12h 1484	2.5	12 24 14.6	– 56 24 46	*5.50*	18.75	00,00	00,00	– 618	+ 1692	0.2	5	. .	. . . .	. . . .
2	12h 1495	7.5	12 24 21.8	– 56 23 23	*5.20*	19.25	00,00	00,00	– 564	+ 1781	0.4	0	. .	. . . .	. . . .
3	12h 1563	8.5	12 25 34.6	– 56 38 50	*1.75*	14.20	00,00	00,00	+ 54	+ 877	*0.8*	*11*	. .	. . . .	. . . .
a	12h 1619	8.0	12 26 23.0	– 57 1 36	0.55	6.60	00,00	00,00	+ 465	– 483	*0.7*	*7*	52	1000	7.68
b	12h 1642	8.5	12 26 53.1	– 57 17 4	2.00	1.40	00,00	00,00	+ 725	– 1414	*1.1*	*1*	38	*1*000	8.20
c	12h 1745	8.8	12 28 28.2	– 57 15 29	6.22	2.00	03,*02*	00,00	+ 1480	– 1307	1.8	2	35	00*11*	8.58
d	12h 1696	8.5	12 27 46.0	– 57 1 4	4.30	6.78	00,00	*03*,02	+ 1137	– 451	0.4	4	30	0000	8.93
e	12h 1652	8.8	12 27 4.2	– 56 50 30	2.32	10.30	03,*02*	00,00	+ 782	+ 179	0.9	3	40	0000	9.23
f	– 56° 5261	9.0	12 23 43.8	– 56 54.4	*6.70*	8.85	00,00	00,00	– 832	– 81	. .	. .	38	01*11*	9.63
g	– 56° 5281	9.2	12 24 54.3	– 56 56.8	*3.50*	8.20	00,00	00,00	– 260	– 197	. .	. .	38	00*1*0	10.01
h	– 56° 5262	9.4	12 23 46.8	– 56 51.0	*6.60*	10.00	00,00	00,00	– 814	+ 125	. .	. .	35	*1*0*1*0	10.39
k	– 56° 5287	9.6	12 25 19.6	– 56 57.0	*2.38*	8.15	*02*,03	00,00	– 59	– 206	. .	. .	40	0000	10.74
l	– 56° 5289	9.9	12 25 30.8	– 56 58.0	*1.80*	7.75	00,00	00,00	+ 45	– 277	. .	. .	42	0001	11.14
m	. . . .	. .	. . . . . .	. . . . . .	*1.50*	9.50	00,00	00,00	+ 98	– 36	. .	. .	45	0110	11.56
n	. . . .	. .	. . . . . .	. . . . . .	*3.70*	9.20	00,00	00,00	– 295	– 18	. .	. .	50	1*11*1	12.01
o	. . . .	. .	. . . . . .	. . . . . .	*2.25*	9.28	00,00	*03*,02	– 36	– 4	. .	. .	42	10*1*1	12.51
p	. . . .	. .	. . . . . .	. . . . . .	*2.75*	9.30	00,00	00,00	– 125	0	. .	. .	. .	. . . .	12.93

70. U CENTAURI. R. A. 12h 28m.0, Dec. – 54° 6′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	12 26 35.2	– 53 58.3	8.46	7.90	*01,01*	00,00	0	0	. .	. .	. .	. . . .	. .
a	12h 1528	9.0	12 24 59.0	– 53 16 15	3.30	21.75	00,00	00,00	– 924	+ 2479	0.3	10	18	00*1*0	7.84
b	12h 1632	9.0	12 26 44.4	– 53 9 35	8.45	24.22	00,00	03,*02*	+ 2	+ 2921	*0.5*	1	40	010*1*	8.02
c	– 53° 5183	8.8	12 24 7.5	– 53 36.8	1.00	14.75	00,00	00,00	– 1335	+ 1226	. .	. .	28	00*1*0	8.42
d	– 54° 5232	9.0	12 24 55.9	– 54 4.5	3.68	5.68	02,*03*	02,*03*	– 856	– 397	. .	. .	25	1100	8.70
e	– 53° 5202	8.8	12 26 31.5	– 53 49.5	8.25	10.75	00,00	00,00	– 38	+ 510	. .	. .	25	0011	8.95
f	12h 1524	8.0	12 24 53.9	– 54 40 3	3.90	*6.25*	00,00	00,00	– 816	– 2533	0.1	*4*	25	10ʀʀ	9.20
g	– 54° 5257	9.2	12 28 17.9	– 54 17.9	13.62	1.40	*02*,03	00,00	+ 924	– 1164	. .	. .	05	0110	9.45
h	12h 1426	8.5	12 23 12.9	– 54 31 6	*1.08*	*3.42*	03,*02*	02,*03*	– 1708	– 2026	*1.5*	*5*	42	*1*110	9.50

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
70. U CENTAURI. R. A. 12^h 28^m.0, Dec. −54° 6′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
k	12^h 1629	9.5	12 26 36.7	−54 28 44	8.80	*2.30*	00,00	00,00	+ 61	−1826	0.9	0	35	0*1*0*1*	9.92
l	−54° 5248	9.4	12 27 0.9	−54 8.8	9.78	4.40	*03*,02	00,00	+ 236	− 626	..	..	32	*1*101	10.27
m	−54° 5252	9.8	12 27 42.4	−54 4.7	11.80	5.80	00,00	00,00	+ 598	− 376	..	..	35	*1111*	10.59
n	.. ..	..	.. .. ..	.. .. ..	9.10	7.40	00,00	00,00	+ 115	− 90	..	..	42	110*1*	10.94
o	.. ..	..	.. .. ..	.. .. ..	9.40	7.90	00,00	00,00	+ 168	0	..	..	28	*1*000	11.36
p	.. ..	..	.. .. ..	.. .. ..	9.25	7.48	00,00	02,*03*	+ 141.	− 75	..	..	22	0010	11.64
q	.. ..	..	.. .. ..	.. .. ..	8.45	8.60	00,00	00,00	− 2	+ 125	..	..	10	*1*010	11.86
r	.. ..	..	.. .. ..	.. .. ..	8.72	7.82	03,*02*	03,*02*	+ 47	− 14	..	..	..	....	11.96
71. −CRUCIS. R. A. 12^h 50^m.7, Dec. −57° 21′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	12 49 9.4	−57 13.3	3.20	5.38	00,00	02,*03*	0	0	..	..	..	....	....
a	12^h 2979	9.0	12 50 9.2	−56 46 18	0.52	*3.65*	*02*,03	00,00	+ 480	+1616	0.9	6	92	3*101*	8.54
b	12^h 2973	9.0	12 50 2.7	−57 2 44	0.80	1.78	00,00	02,*03*	+ 430	+ 644	0.3	*12*	28	*1*10*1*	9.46
c	−57° 5804	9.1	12 48 57.4	−57 14.4	3.75	5.75	00,00	00,00	− 98	− 66	0.1	0	28	*1*01*1*	9.74
d	−57° 5794	9.2	12 48 9.3	−57 4.1	5.90	2.30	00,00	00,00	− 483	+ 551	*0.8*	0	62	0*22*1	10.02
e	−57° 5801	9.6	12 48 41.4	−57 9.5	4.45	4.20	00,00	00,00	− 224	+ 211	*0.6*	18	58	100*2*	10.64
f	.. ..	..	.. .. ..	.. .. ..	3.40	3.78	00,00	02,*03*	− 36	+ 286	..	..	38	*1*000	11.22
g	.. ..	..	.. .. ..	.. .. ..	4.58	5.10	*03*,02	00,00	− 247	+ 50	..	..	30	*1*100	11.60
h	.. ..	..	.. .. ..	.. .. ..	4.48	5.60	*03*,02	00,00	− 229	− 39	..	..	52	0100	11.90
k	.. ..	..	.. .. ..	.. .. ..	4.12	4.60	*02*,03	00,00	− 165	+ 140	..	..	25	1010	12.42
l	.. ..	..	.. .. ..	.. .. ..	3.10	5.22	00,00	03,*02*	+ 18	+ 29	..	..	20	0000	12.67
m	.. ..	..	.. .. ..	.. .. ..	3.35	5.22	00,00	03,*02*	− 27	+ 29	..	..	28	*1*000	12.87
n	.. ..	..	.. .. ..	.. .. ..	4.22	5.28	*02*,03	02,*03*	− 183	+ 18	..	..	35	..*2*1	13.15
o	.. ..	..	.. .. ..	.. .. ..	3.18	4.95	*03*,02	00,00	+ 4	+ 77	..	..	..	....	13.50
72. RT VIRGINIS. R. A. 12^h 57^m.6, Dec. +5° 43′.															
			h. m. s.	° ′					″	″	s.	″			
V	+ 5° 2708	8.6	12 55 17.6	+ 5 57.9	9.00	24.90	00,00	00,00	0	0	..	..	..	....	..
a	+ 5° 2702	7.3	12 53 48.1	+ 5 8.3	0.62	6.75	*02*,03	00,00	−1366	−2958	..	..	50	0000	7.55
b	+ 4° 2690	7.8	12 58 24.4	+ 4 52.6	25.92	0.75	03,*02*	00,00	+2758	−3936	..	..	65	1001	8.05
c	+ 5° 2710	8.6	12 56 45.2	+ 5 58.0	17.00	24.98	00,00	02,*03*	+1304	+ 13	..	..	60	0000	8.70
d	+ 5° 2709	8.8	12 56 7.1	+ 5 40.8	13.45	18.80	00,00	00,00	+ 725	− 994	..	..	60	0*1*10	9.30
e	+ 5° 2712	9.5	12 57 41.4	+ 5 43.2	22.08	19.25	02,*03*	00,00	+2132	− 921	..	..	72	0100	9.90
f	.. ..	..	.. .. ..	.. .. ..	8.50	22.70	00,00	00,00	− 82	− 359	..	..	45	2000	10.62
g	.. ..	..	.. .. ..	.. .. ..	8.28	21.70	*03*,02	00,00	− 117	− 522	..	..	48	000*1*	11.07
h	.. ..	..	.. .. ..	.. .. ..	8.00	24.80	00,00	00,00	− 163	− 16	..	..	52	*1*110	11.55
k	.. ..	..	.. .. ..	.. .. ..	9.50	25.35	00,00	00,00	+ 82	+ 73	..	..	..	....	12.07
73. −CENTAURI. R. A. 13^h 6^m.3, Dec. −56° 28′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	17^h 944	8.5	13 4 46.5	−56 20 5	7.20	4.30	00,00	00,00	0	0	..	..	..	....	....
a	13^h 502	7.5	13 8 23.8	−56 23 57	17.25	2.85	00,00	00,00	+1799	− 260	..	..	35	0*1*0*1*	7.30
b	13^h 255	8.0	13 4 24.2	−56 17 28	6.12	5.25	03,*02*	00,00	− 193	+ 170	..	..	32	0100	7.65

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
73. −Centauri. R. A. $13^h\ 6^m.3$, Dec. −56° 28′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
c	13^h 120	8.8	13 2 9.6	−56 6 0	*0.22*	9.05	*03*,02	00,00	−1328	+ 850	..	..	28	*1*000	7.97
d	13^h 226	7.5	13 3 58.6	−56 14 34	4.90	6.25	00,00	00,00	− 412	+ 349	..	..	18	*11*10	8.22
e	13^h 498	9.0	13 8 20.2	−56 10 19	17.12	7.40	03,*02*	00,00	+1776	+ 555	..	..	30	*1111*	8.43
f	13^h 354	8.8	13 6 1.0	−56 27 35	10.52	1.72	03,*02*	*02*,03	+ 594	− 462	..	..	25	1100	8.73
g	13^h 346	9.0	13 5 49.9	−56 16 6	10.10	5.60	00,00	00,00	+ 519	+ 233	..	..	20	0000	8.98
h	13^h 298	8.5	13 5 10.2	−56 19 29	8.25	4.48	00,00	*03*,02	+ 188	+ 32	..	..	30	100*1*	9.18
k	−56°5633	9.1	13 4 51.9	−56 1.6	7.40	10.52	00,00	*02*,03	+ 36	+1113	..	..	32	101*1*	9.48
l	13^h 306	9.0	13 5 16.0	−56 13 25	8.45	6.52	00,00	03,*02*	+ 224	+ 397	..	..	30	1*1*00	9.80
m	−56°5652	9.4	13 6 10.2	−56 18.6	11.05	4.70	00,00	00,00	+ 689	+ 72	..	..	45	0101	10.10
n	−56°5653	9.7	13 6 12.2	−56 20.2	11.10	4.25	00,00	00,00	+ 698	− 9	..	..	35	1*102*	10.55
o	−56°5625	9.9	13 4 3.4	−56 16.1	5.18	5.62	*03*,02	*02*,03	− 362	+ 236	..	..	38	0*1*00	10.90
p	.. ..	..	.. .. ..	.. .. ..	8.95	3.70	00,00	00,00	+ 313	− 107	..	..	28	01*11*	11.28
q	.. ..	..	.. .. ..	.. .. ..	8.85	5.15	00,00	00,00	+ 295	+ 152	..	..	..	....	11.56
74. −Centauri. R. A. $13^h\ 7^m.6$, Dec. −56° 26′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	13^h 368	9.0	13 6 5.6	−56 18 24	10.70	4.80	00,00	00,00	0	0	..	..	..	....	....
a	13^h 502	7.5	13 8 23.8	−56 23 57	17.25	2.85	00,00	00,00	+1172	− 349	..	..	35	0*1*0*1*	7.30
b	13^h 255	8.0	13 4 24.2	−56 17 28	6.12	5.25	03,*02*	00,00	− 820	+ 81	..	..	32	0100	7.65
c	13^h 120	8.8	13 2 9.6	−56 6 0	*0.22*	9.05	*03*,02	00,00	−1955	+ 761	..	..	28	*1*000	7.97
d	13^h 226	7.5	13 3 58.6	−56 14 34	4.90	6.25	00,00	00,00	−1038	+ 260	..	..	18	*11*10	8.22
e	13^h 498	9.0	13 8 20.2	−56 10 19	17.12	7.40	03,*02*	00,00	+1149	+ 465	..	..	30	*1111*	8.43
f	13^h 354	8.8	13 6 1.0	−56 27 35	10.52	1.72	03,*02*	*02*,03	− 32	− 551	..	..	25	1100	8.73
g	13^h 346	9.0	13 5 49.9	−56 16 6	10.10	5.60	00,00	00,00	− 107	+ 143	..	..	20	0000	8.98
h	13^h 298	8.5	13 5 10.2	−56 19 29	8.25	4.48	00,00	*03*,02	− 439	− 57	..	..	30	100*1*	9.18
k	−56°5633	9.1	13 4 51.9	−56 1.6	7.40	10.52	00,00	*02*,03	− 591	+1024	..	..	32	101*1*	9.48
l	13^h 306	9.0	13 5 16.0	−56 13 25	8.45	6.52	00,00	03,*02*	− 403	+ 308	..	..	30	1*1*00	9.80
m	−56°5652	9.4	13 6 10.2	−56 18.6	11.05	4.70	00,00	00,00	+ 63	− 18	..	..	45	0101	10.10
n	−56°5653	9.7	13 6 12.2	−56 20.2	11.10	4.25	00,00	00,00	+ 72	− 98	..	..	35	1*102*	10.55
o	−56°5625	9.9	13 4 3.4	−56 16.1	5.18	5.62	*03*,02	*02*,03	− 988	+ 147	..	..	38	0*1*00	10.90
p	.. ..	..	.. .. ..	.. .. ..	8.95	3.70	00,00	00,00	− 313	− 197	..	..	28	01*11*	11.28
q	.. ..	..	.. .. ..	.. .. ..	8.85	5.15	00,00	00,00	− 331	+ 63	..	..	..	....	11.56
75. −Virginis. R. A. $13^h\ 8^m.9$, Dec. −2° 16′.															
			h. m. s.	° ′					″	″	s.	″			
V	− 2°3653	8.2	13 6 36.7	− 2 2.1	5.07	6.86	*02*,*02*	*01*,04	0	0	..	..	..	....	....
a	− 1°2786	8.0	13 5 48.7	− 1 47.4	0.35	12.40	00,00	00,00	− 769	+ 903	..	..	42	011*1*	7.29
b	− 1°2784	8.0	13 5 18.4	− 1 30.0	*2.35*	18.75	00,00	00,00	−1209	+1938	..	..	40	00*1*1	7.71
c	− 1°2781	8.5	13 3 30.7	− 1 57.4	*12.20*	8.52	00,00	*02*,03	−2815	+ 271	..	..	40	*1*100	8.11
d	− 1°2788	9.0	13 6 30.1	− 1 39.3	4.32	15.25	03,*02*	00,00	− 122	+1368	..	..	38	*1*0*1*1	8.51
e	− 2°3645	9.4	13 4 35.7	− 2 12.2	*6.10*	8.28	00,00	02,*03*	−1821	− 584	..	..	58	02*2*1	8.89
f	− 1°2785	9.0	13 5 28.4	− 1 26.5	*1.30*	19.75	00,00	00,00	−1038	+2101	..	..	20	*1*001	9.47
g	− 1°2791	9.2	13 7 50.4	− 1 53.6	11.68	10.35	*03*,02	00,00	+1077	+ 569	..	..	65	20*2*2	9.67
h	− 1°2783	9.4	13 4 52.7	− 1 43.9	*4.58*	13.55	*02*,03	00,00	−1573	+1090	..	..	22	0010	10.32
k	− 2°3655	10.0	13 7 12.3	− 2 13.2	8.30	3.22	00,00	03,*02*	+ 526	− 593	..	..	60	*1*010	10.54

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
75. —Virginis. R. A. $13^h\ 8^m.9$, Dec. −2° 16′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
l	.. ..	..	.. .. ..	.. .. ..	4.20	9.95	00,00	00,00	− 142	+ 504	..	..	20	0000	11.15
m	.. ..	..	.. .. ..	.. .. ..	5.38	1.00	02,*03*	00,00	+ 51	− 955	..	..	38	*11*01	11.34
n	.. ..	..	.. .. ..	.. .. ..	6.85	8.25	00,00	00,00	+ 290	+ 227	..	..	28	0*1*00	11.72
o	.. ..	..	.. .. ..	.. .. ..	5.80	5.90	00,00	00,00	+ 119	− 156	..	..	..	....	12.00
76. —Centauri. R. A. $13^h\ 15^m.1$, Dec. −61° 3′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−60° 4611	9.7	13 13 32.5	−60 54.9	5.80	9.35	00,00	00,00	0	0	..	..	..	....	....
1	13^h 725	8.2	13 11 46.3	−61 18 35	1.78	1.25	02,*03*	00,00	− 720	−1450	..	..	..	....	....
2	13^h 851	9.0	13 14 5.5	−60 43 59	7.08	13.05	02,*03*	00,00	+ 229	+ 662	..	..	..	....	....
a	13^h 1044	9.0	13 17 17.0	−61 2 34	15.00	7.00	00,00	00,00	+1647	− 421	..	..	50	0000	9.00
b	13^h 968	9.5	13 16 9.6	−60 57 32	12.28	8.58	02,*03*	02,*03*	+1160	− 138	..	..	40	0000	9.50
c	−60° 4593	8.9	13 11 51.5	−60 51.1	1.68	10.40	02,*03*	00,00	− 787	+ 188	..	..	32	0100	9.90
d	−60° 4598	8.9	13 12 5.5	−60 45.2	2.20	12.35	00,00	00,00	− 644	+ 537	..	..	48	*1110*	10.22
e	−60° 4614	9.4	13 13 58.5	−60 54.4	6.82	9.50	03,*02*	00,00	+ 183	+ 27	..	..	38	10*11*	10.70
f	−60° 4608	9.6	13 13 3.5	−60 54.5	4.60	9.35	00,00	00,00	− 215	0	..	..	35	*1001*	11.08
g	.. ..	..	.. .. ..	.. .. ..	5.75	8.32	00,00	03,*02*	− 9	− 184	..	..	30	0000	11.43
h	.. ..	..	.. .. ..	.. .. ..	5.42	7.72	*02*,03	03,*02*	− 68	− 292	..	..	35	*1010*	11.73
k	.. ..	..	.. .. ..	.. .. ..	3.50	9.25	00,00	00,00	− 412	− 18	..	..	40	*1*100	12.08
l	.. ..	..	.. .. ..	.. .. ..	5.85	10.22	00,00	03,*02*	− 81	+ 156	..	..	..	....	12.48
77. —Chamaeleontis. R. A. $13^h\ 24^m.6$, Dec. −77° 3′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	18352	6.6	13 22 27.4	−76 55 7	3.20	0.40	00,00	00,00	0	0	..	..	..	....	....
a	17795	6.6	12 58 21.7	−77 46 32	28.65	19.25	00,00	00,00	−4556	−3374	..	..	32	*1020*	6.70
b	18012	7.0	13 7 46.1	−78 9 41	18.10	26.08	00,00	02,*03*	−2667	−4597	..	..	02	21*2*0	7.02
c	17922	6.3	13 3 57.9	−77 46 57	22.60	18.72	00,00	03,*02*	−3473	−3279	..	..	55	*15*31	7.04
d	13^h 1141	9.0	13 19 2.2	−78 12 20	6.40	26.38	00,00	*03*,02	− 573	−4650	..	..	25	1001	7.59
e	−76° 751	8.0	13 3 55.0	−76 47.7	24.35	*1.05*	00,00	00,00	−3786	+ 260	..	..	60	21*21*	7.84
f	13^h 1827	8.0	13 30 21.2	−76 52 38	*5.80*	*0.32*	00,00	02,*03*	+1611	+ 129	..	..	28	*1011*	8.44
g	−76° 760	8.9	13 13 11.0	−76 19.4	14.28	*11.18*	*03*,02	*02*,03	−1983	+2073	..	..	60	3*102*	8.72
h	−77° 900	8.8	13 22 59.5	−77 13.0	2.48	6.42	*03*,02	*02*,03	+ 129	−1078	..	..	30	*121*0	9.32
k	18353	9.2	13 22 32.3	−76 55 22	3.10	0.50	00,00	00,00	+ 18	− 18	..	..	..	....	9.62
78. RV Centauri. R. A. $13^h\ 31^m.1$, Dec. −55° 58′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−55° 5650	9.9	13 29 33.4	−55 50.3	2.25	6.75	00,00	00,00	0	0	..	..	..	....	....
a	13^h 1808	8.0	13 30 6.3	−55 35 00	3.78	11.85	*03*,02	00,00	+ 274	+ 918	..	..	42	1000	7.71
b	13^h 1795	8.0	13 29 53.2	−55 59 26	3.20	3.65	00,00	00,00	+ 170	− 555	..	..	45	0002	8.13
c	13^h 1835	8.0	13 30 28.6	−56 5 35	4.80	1.65	00,00	00,00	+ 456	− 913	..	..	50	0000	8.58
d	13^h 1936	9.5	13 32 11.8	−55 53 27	9.60	5.68	00,00	*03*,02	+1316	− 192	..	..	48	00*1*0	9.08
e	−55° 5675	9.6	13 32 0.4	−55 51.8	9.12	6.30	*02*,03	00,00	+1230	− 81	..	..	45	1100	9.56
f	−55° 5648	9.9	13 29 13.4	−55 52.6	1.30	6.08	00,00	02,*03*	− 170	− 120	..	..	35	*1001*	10.01
g	.. ..	..	.. .. ..	.. .. ..	3.75	7.55	00,00	00,00	+ 268	+ 143	..	..	40	0*11*0	10.36

78. RV Centauri. R. A. 13h 31m.1, Dec. −55° 58′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
h	.. ..	..	.. .. ..	.. .. ..	3.25	5.80	00,00	00,00	+ 179	− 170	..	..	40	0000	10.76
k	.. ..	..	.. .. ..	.. .. ..	2.58	5.50	*03*,02	00,00	+ 59	− 224	..	..	42	0*11*1	11.16
l	.. ..	..	.. .. ..	.. .. ..	1.95	5.60	00,00	00,00	− 54	− 206	..	..	35	*1*00*1*	11.58
m	.. ..	..	.. .. ..	.. .. ..	1.80	6.00	00,00	00,00	− 81	− 134	..	..	35	0*11*0	11.93
n	.. ..	..	.. .. ..	.. .. ..	2.32	7.80	*02*,03	00,00	+ 13	+ 188	..	..	..	....	12.28

79. Z Centauri. R. A. 13h 34m.3, Dec. −31° 8′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	13 32 53.0	−31 0 14	15.17	16.72	03,*02*	03,*02*	0	0	..	..	..	....	....
a	18504	8.0	13 29 41.1	−31 45 49	1.80	1.20	00,00	00,00	−2393	−2778	*0.1*	0	62	200*1*	7.23
b	18528	8.2	13 30 33.2	−31 43 16	5.45	2.18	00,00	*03*,02	−1740	−2603	0.7	11	60	*1*100	7.85
c	13h 1834	9.0	13 30 28.6	−31 30 2	5.10	6.52	00,00	*02*,03	−1803	−1826	*0.4*	*6*	52	0*1*02	8.45
d	18539	9.0	13 31 5.2	−31 36 3	7.70	4.60	00,00	00,00	−1337	−2169	0.4	4	30	*1*010	8.97
e	13h 2134	9.0	13 35 22.2	−30 53 43	25.80	19.10	00,00	00,00	+1903	+ 426	*0.3*	0	20	0000	9.27
f	−31° 10563	9.3	13 34 33.4	−31 5.5	22.35	15.25	00,00	00,00	+1285	− 263	..	..	35	01*4*1	9.47
g	13h 1908	9.0	13 31 41.9	−30 45 24	9.95	21.55	00,00	00,00	− 934	+ 865	0.3	*9*	32	011*1*	9.82
h	−30° 10790	9.4	13 32 44.2	−30 55.9	14.58	18.15	02,*03*	00,00	− 106	+ 256	..	..	22	1000	10.14
k	−31° 10543	9.5	13 33 18.9	−31 9.3	17.15	13.75	00,00	00,00	+ 354	− 532	..	..	25	0110	10.36
l	−31° 10534	9.7	13 32 36.7	−31 0.3	14.15	16.70	00,00	00,00	− 183	− 4	..	..	35	*1*00*1*	10.61
m	−30° 10782	9.6	13 32 23.1	−30 52.1	13.05	19.68	00,00	*03*,02	− 379	+ 530	..	..	22	0001	10.96
n	−30° 10798	10.0	13 32 59.6	−30 54.3	15.70	18.30	00,00	00,00	+ 95	+ 283	..	..	38	100*2*	11.18
o	.. ..	..	.. .. ..	.. .. ..	14.92	17.25	*02*,03	00,00	− 45	+ 95	..	..	18	0*1*00	11.56
p	.. ..	..	.. .. ..	.. .. ..	15.68	17.20	*03*,02	00,00	+ 91	+ 86	..	..	88	0*1*00	11.74
q	.. ..	..	.. .. ..	.. .. ..	13.60	15.25	00,00	00,00	− 281	− 263	..	..	..	....	12.12

80. RY Virginis. R. A. 13h 36m.3, Dec. −18° 38′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	−18° 3660	8.2	13 33 52.5	−18 24.0	17.74	7.12	01,01	*02*,*02*	0	0	..	..	..	....	..
a	−18° 3647	8.5	13 30 18.2	−18 26.7	0.80	6.20	00,00	00,00	−3032	− 165	..	..	85	*111*1	7.83
b	−17° 3907	8.0	13 33 52.3	−17 49.2	17.70	17.85	00,00	00,00	− 8	+1921	..	..	52	01*1*1	8.18
c	−18° 3648	9.0	13 30 36.9	−18 26.5	2.25	6.25	00,00	00,00	−2773	− 156	..	..	45	1010	8.70
d	−18° 3655	9.3	13 32 23.2	−18 28.5	10.68	5.62	*03*,02	*02*,03	−1264	− 268	..	..	30	*1*001	9.15
e	−18° 3653	9.5	13 32 9.4	−18 23.5	9.68	7.35	*03*,02	00,00	−1443	+ 41	..	..	10	1*1*00	9.45
f	−18° 3664	9.1	13 34 28.7	−18 25.9	20.68	6.58	*03*,02	02,*03*	+ 526	− 97	..	..	45	1100	9.55
g	−18° 3663	9.8	13 34 21.5	−18 38.1	20.10	2.38	00,00	02,*03*	+ 422	− 848	..	..	32	0010	10.00
h	−18° 3658	10.0	13 32 47.8	−18 24.9	12.65	6.78	00,00	02,*03*	− 911	− 61	..	..	22	1000	10.32
k	.. ..	..	.. .. ..	.. .. ..	15.65	8.08	00,00	*03*,02	− 374	+ 172	..	..	30	10*1*0	10.54
l	.. ..	..	.. .. ..	.. .. ..	19.25	12.00	00,00	00,00	+ 270	+ 874	..	..	25	1001	10.84
m	.. ..	..	.. .. ..	.. .. ..	17.55	5.22	00,00	*02*,03	− 34	− 340	..	..	..	....	11.09

81. Z Bootis. R. A. 14h 1m.7, Dec. +13° 59′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	+14° 2700	9.5	13 59 29.3	+14 11.5	11.55	3.95	00,00	00,00	0	0	..	..	..	....	..
a	+14° 2697	9.3	13 58 57.1	+14 24.4	8.70	8.82	00,00	*02*,03	− 465	+ 794	..	..	58	*1*000	9.54

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	$\Delta\alpha$	$\Delta\delta$	Mean.	Resid.	Magn.
81. Z Bootis. R. A. 14^h 1^m.7, Dec. +13° 59′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
b	+14°2699	9.4	13 59 14.8	+14 3.9	10.30	1.45	00,00	00,00	− 204	− 408	. .	. .	38	000*1*	10.12
c	+14°2698	9.4	13 59 11.9	+14 33.0	10.10	11.90	00,00	00,00	− 236	+1296	. .	. .	12	0001	10.50
d	+14°2696	9.5	13 58 24.3	+14 27.8	5.70	10.12	00,00	*02*,03	− 954	+1006	. .	. .	40	010*1*	10.62
e	.. ..	. .	.. .. ..	.. .. ..	9.05	3.22	00,00	*02*,03	− 408	− 119	. .	. .	28	0*1*00	11.02
f	.. ..	. .	.. .. ..	.. .. ..	10.65	8.85	00,00	00,00	− 147	+ 799	. .	. .	32	0100	11.30
g	.. ..	. .	.. .. ..	.. .. ..	6.20	8.60	00,00	00,00	− 872	− 57	. .	. .	35	0*1*0*1*	11.62
h	.. ..	. .	.. .. ..	.. .. ..	8.35	5.35	00,00	00,00	− 522	+ 228	. .	. .	25	0200	11.97
k	.. ..	. .	.. .. ..	.. .. ..	4.05	4.05	00,00	00,00	−1222	+ 16	. .	. .	38	*1*000	12.22
l	.. ..	. .	.. .. ..	.. .. ..	12.35	3.05	00,00	00,00	+ 130	− 147	. .	. .	47	.1*2*0	12.60
m	.. ..	. .	.. .. ..	.. .. ..	10.65	1.35	00,00	00,00	− 147	− 424	. .	. .	..	....	R
n	.. ..	. .	.. .. ..	.. .. ..	9.25	1.30	00,00	00,00	− 375	− 432	. .	. .	..	....	13,07
82. T Lupi. R. A. 14^h 15^m.7, Dec. −49° 24′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	19416	8.5	14 14 4.8	−49 16 34	13.57	6.66	*02*,03	*01,01*	0	0	. .	. .	..	....	. .
a	14^h 1157	8.5	14 18 5.9	−49 11 54	0.40	5.10	00,00	00,00	+2357	+ 279	. .	. .	55	0*2*11	8.63
b	−49°8677	9.6	14 13 31.9	−49 2.3	15.38	1.82	02,*03*	03,*02*	− 324	+ 866	. .	. .	35	0*1*0*1*	9.18
c	14^h 987	9.5	14 15 33.0	−49 26 0	8.75	9.70	00,00	00,00	+ 863	− 544	. .	. .	30	0000	9.53
d	14^h 877	10.0	14 13 41.9	−49 23 22	14.98	9.30	02,*03*	00,00	− 252	− 473	. .	. .	38	*1*01*1*	9.83
e	−49°8703	9.7	14 15 30.6	−49 8.8	8.90	4.10	00,00	00,00	+ 836	+ 458	. .	. .	35	*11*00	10.21
f	−49°8707	10.0	14 15 40.8	−49 19.2	8.30	7.45	00,00	00,00	+ 943	− 141	. .	. .	32	0001	10.56
g	−49°8681	10.0	14 13 41.2	−49 19.4	14.80	7.55	00,00	00,00	− 220	− 159	. .	. .	50	*1*100	10.88
h	.. ..	. .	.. .. ..	.. .. ..	15.30	7.82	00,00	03,*02*	− 310	− 208	. .	. .	..	....	11.38
83. −Lupi. R. A. 14^h 16^m.9, Dec. −47° 4′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	14^h 970	9.5	14 15 20.3	−46 57 5	8.73	6.58	02,02	*03*,02	0	0	. .	. .	..	....	....
a	19468	7.2	14 16 30.6	−46 36 28	7.75	13.40	00,00	00,00	+ 720	+1221	. .	. .	42	110*1*	7.48
b	19438	7.0	14 15 8.8	−46 50 42	3.10	8.68	00,00	02,*03*	− 113	+ 376	. .	. .	60	*11*11	7.90
c	19421	8.5	14 14 10.1	−46 33 35	*0.30*	14.40	00,00	00,00	− 721	+1400	. .	. .	30	0000	8.50
d	14^h 1226	9.2	14 19 15.8	−46 57 15	17.20	6.35	00,00	00,00	+2411	− 41	. .	. .	30	1*11*1	8.80
e	14^h 1120	9.5	14 17 38.8	−46 39 44	11.65	12.32	00,00	03,*02*	+1418	+1027	. .	. .	45	111*1*	9.10
f	−47°9087	9.8	14 14 49.8	−47 2.0	2.05	4.80	00,00	00,00	− 301	− 819	. .	. .	38	0*1*00	9.55
g	−46°9305	9.0	14 16 59.0	−46 42.6	9.35	11.40	00,00	00,00	+1006	+ 863	. .	. .	25	1001	9.93
h	−47°9108	9.6	14 16 3.6	−47 4.1	6.25	4.20	00,00	00,00	+ 451	− 426	. .	. .	30	10*1*0	10.18
k	−47°9102	9.6	14 15 48.8	−47 0.2	5.40	5.45	00,00	00,00	+ 299	− 202	. .	. .	50	*121*0	10.48
l	R	R	14 15 33.0	−46 57.7	4.38	6.38	*03*,02	*03*,02	+ 116	− 36	. .	. .	40	11*11*	10.98
m	−46°9273	10.0	14 14 24.0	−46 52.4	0.68	7.82	02,*03*	03,*02*	− 546	+ 222	. .	. .	40	*1*010	11.38
n	.. ..	. .	.. .. ..	.. .. ..	1.55	7.30	00,00	00,00	− 390	+ 129	. .	. .	40	*1*11*1*	11.78
o	.. ..	. .	.. .. ..	.. .. ..	3.05	8.02	00,00	03,*02*	− 122	+ 258	. .	. .	22	0100	12.18
p	.. ..	. .	.. .. ..	.. .. ..	2.70	6.25	00,00	00,00	− 184	− 59	. .	. .	..	....	12.40

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
84. RS VIRGINIS. R. A. 14^h $22^m.3$, Dec. +5° 8′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	14 19 59.9	+ 5 19.7	1.30	9.39	00,00	01,*04*	0	0	..	..	..	....	....
a	+ 5°2879	7.8	14 18 40.2	+ 5 30.3	*6.12*	13.45	02,*03*	00,00	−1209	+ 662	1.4	*24*	58	3.*1*.	7.24
b	+ 5°2889	7.2	14 25 49.9	+ 5 58.2	33.22	23.28	*02*,03	*03*,02	+5203	+2264	1.2	48	39	2.*1*.	7.82
c	+ 5°2880	8.4	14 20 0.9	+ 5 55.2	1.40	22.45	00,00	00,00	+ 16	+2129	*0.1*	0	61	*2*01*3*	8.21
d	+ 6°2881	8.7	14 18 41.2	+ 6 9.0	*5.75*	27.30	00,00	00,00	−1149	+2919	*1.7*	36	54	*1*01*1*	8.82
e	+ 5°2882	8.5	14 21 25.1	+ 5 51.4	9.15	21.35	00,00	00,00	+1280	+1949	*0.6*	*48*	48	*1*001	9.36
f	+ 4°2868	9.5	14 19 34.8	+ 4 57.2	*1.22*	1.32	*03*,02	03,*02*	− 411	−1315	..	..	49	01*22*	9.84
g	+ 5°2888	9.5	14 21 34.3	+ 5 5.2	9.75	3.62	00,00	*02*,03	+1377	− 941	..	..	38	*1*1*1*1	10.33
h	+ 4°2870	9.5	14 21 26.2	+ 4 58.2	9.20	1.65	00,00	00,00	+1288	−1262	..	..	30	0000	10.71
k	+ 4°2867	9.5	14 21 7.3	+ 4 57.9	7.25	1.65	00,00	00,00	+ 970	−1262	..	..	31	*1*200	11.01
l	.. ..	..	.. .. ..	.. .. ..	*1.85*	3.60	00,00	00,00	− 513	− 944	..	..	37	*2*003	11.32
m	.. ..	..	.. .. ..	.. .. ..	2.40	13.82	00,00	03,*02*	+ 179	+ 722	..	..	33	0.0.	11.69
n	.. ..	..	.. .. ..	.. .. ..	2.72	9.62	*02*,03	03,*02*	+ 231	+ 37	..	..	22	1000	12.02
o	.. ..	..	.. .. ..	.. .. ..	4.00	6.90	00,00	00,00	+ 440	− 406	..	..	15	0*101*	*12.24*
p	.. ..	..	.. .. ..	.. .. ..	1.15	3.18	00,00	02,*03*	− 24	−1012	..	..	42	0*111*	*12.39*
q	.. ..	..	.. .. ..	.. .. ..	0.58	10.68	02,*03*	*03*,02	− 117	+ 210	..	..	22	0100	*12.81*
r	.. ..	..	.. .. ..	.. .. ..	0.30	7.60	00,00	00,00	− 261	− 292	..	..	..	....	*13.03*
85. Y CENTAURI. R. A. 14^h $25^m.1$, Dec. −29° 39′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	19613	8.5	14 23 37.5	−29 32 22	7.25	5.67	00,00	03,*02*	0	0	..	..	..	....	....
a	19601	8.8	14 22 9.8	−29 8 55	0.68	13.45	02,*03*	00,00	−1176	+1893	..	..	58	01*11*	8.13
b	19640	9.0	14 23 34.3	−29 37 28	7.10	4.02	00,00	03,*02*	− 27	− 295	..	..	48	00*1*0	8.71
c	14^h 1615	8.8	14 25 17.5	−29 46 36	14.50	1.10	00,00	00,00	+1298	− 818	..	..	18	*11*10	9.19
d	14^h 1425	9.0	14 22 25.0	−29 22 15	1.82	9.08	*02*,03	*03*,02	− 972	+ 610	..	..	42	0001	9.37
e	−29°11117	9.4	14 23 39.5	−29 22.7	7.32	8.80	*02*,03	00,00	+ 13	+ 560	..	..	25	0011	9.79
f	−29°11124	9.4	14 24 18.6	−29 37.7	9.80	8.70	00,00	00,00	+ 456	− 353	..	..	58	*1*0*1*1	10.04
g	−29°11115	10.0	14 23 35.4	−29 31.5	7.10	6.18	00,00	*03*,02	− 27	+ 91	..	..	28	00*1*0	10.62
h	−29°11112	9.8	14 23 23.1	−29 24.0	6.20	8.45	00,00	00,00	− 188	+ 498	..	..	30	001*1*	10.90
k	−29°11113	9.9	14 23 26.0	−29 36.1	6.40	4.50	00,00	00,00	− 152	− 209	..	..	30	0000	11.20
l	.. ..	..	.. .. ..	.. .. ..	7.90	2.55	00,00	00,00	+ 116	− 558	..	..	30	.000	11.50
m	.. ..	..	.. .. ..	.. .. ..	4.40	6.40	00,00	00,00	− 510	+ 131	..	..	20	.*1*10	11.80
n	.. ..	..	.. .. ..	.. .. ..	7.58	5.40	*03*,02	00,00	+ 59	− 48	..	..	..	....	12.00
86. RV LIBRAE. R. A. 14^h $30^m.2$, Dec. −17° 36′.															
			h. m. s.	° ′					″	″	s.	″			
V	−17°4122	8.5	14 27. 45.1	−17 24.2	14.58	8.55	*03*,02	00,00	0	0	..	..	..	....	....
a	−17°4133	8.5	14 30 25.7	−17 14.6	1.75	5.35	00,00	00,00	+2297	+ 573	..	..	50	0000	8.10
b	−17°4126	8.8	14 29 3.8	−17 41.9	8.30	14.50	00,00	00,00	+1124	−1065	..	..	40	1*11*1	8.60
c	−17°4119	9.0	14 27 39.9	−17 4.4	15.10	2.10	00,00	00,00	− 93	+1155	..	..	40	*2*011	9.00
d	−17°4120	9.3	14 27 42.0	−17 29.8	14.85	10.40	00,00	00,00	− 48	− 331	..	..	35	*21*10	9.40
e	−17°4124	9.8	14 28 31.2	−17 41.7	10.78	14.35	*03*,02	00,00	+ 680	−1038	..	..	28	*21*11	9.75
f	−17°4123	9.5	14 28 18.0	−17 20.0	11.95	6.95	00,00	00,00	+ 471	+ 286	..	..	22	01*1*1	10.03
g	.. ..	..	.. .. ..	.. .. ..	6.05	7.70	00,00	00,00	+1527	+ 152	..	..	35	*21*10	10.25
h	.. ..	..	.. .. ..	.. .. ..	14.05	6.65	00,00	00,00	+ 95	+ 340	..	..	30	0*1*10	10.60

86. RV LIBRAE. R. A. 14h 30m.3, Dec. −17° 36′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
k	.. ..	..	.. .. ..	.. .. ..	15.22	8.82	02,03	02,03	− 115	− 48	..	..	58	1101	10.90
l	.. ..	..	.. .. ..	.. .. ..	15.00	6.80	00,00	00,00	− 75	+ 313	..	..	..	....	11.48

87. S LUPI. R. A. 14h 46m.8, Dec. −46° 12′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	14 45 5.0	−46 5 59	9.98	17.30	02,03	00,00	0	0	..	..	..	....	....
a	14h 2843	8.8	14 44 43.9	−46 6 55	6.32	16.38	02,03	03,02	− 220	− 55	0.0	0	22	0001	8.52
b	14h 2906	9.2	14 45 36.1	−45 44 39	15.38	38.80	02,03	00,00	+ 324	+1290	0.0	*10*	31	0000	8.74
c	14h 2733	9.2	14 43 6.1	−45 57 52	*10.80*	25.38	00,00	03,02	−1247	+ 485	1.0	2	34	0001	9.05
d	14h 2861	8.5	14 44 57.2	−46 27 27	8.80	*4.30*	00,00	00,00	− 71	−1296	*1.0*	9	48	0101	9.39
e	−46° 9652	10.0	14 45 7.8	−46 8.2	10.42	15.35	03,02	00,00	+ 26	− 117	..	..	42	1101	9.87
f	−46° 9637	10.0	14 43 54.5	−46 21.0	*1.90*	2.35	00,00	00,00	− 713	− 897	..	..	40	0011	10.29
g	−46° 9651	10.0	14 45 4.6	−46 14.1	10.12	9.12	02,03	02,03	+ 8	− 491	..	..	44	1100	10.69
h	−46° 9654	10.0	14 45 16.4	−46 4.7	12.25	18.75	00,00	00,00	+ 136	+ 87	..	..	50	0000	11.13
k	.. ..	..	.. .. ..	.. .. ..	12.18	15.88	03,02	03,02	+ 132	− 85	..	..	46	0011	11.63
l	.. ..	..	.. .. ..	.. .. ..	10.40	14.10	00,00	00,00	+ 25	− 192	..	..	23	1.01	12.09
m	.. ..	..	.. .. ..	.. .. ..	11.05	12.90	00,00	00,00	+ 64	− 264	..	..	28	0.01	12.32
n	.. ..	..	.. .. ..	.. .. ..	5.40	11.90	00,00	00,00	− 275	− 324	..	..	42	0111	12.60
o	.. ..	..	.. .. ..	.. .. ..	9.55	12.80	00,00	00,00	− 26	− 270	..	..	22	0000	*13.02*
p	.. ..	..	.. .. ..	.. .. ..	6.75	14.10	00,00	00,00	− 194	− 192	..	..	40	1111	*13.24*
q	.. ..	..	.. .. ..	.. .. ..	10.30	18.10	00,00	00,00	+ 19	+ 48	..	..	28	0001	*13.64*
r	.. ..	..	.. .. ..	.. .. ..	12.70	15.25	00,00	00,00	+ 163	− 123	..	..	25	1100	*13.92*
s	.. ..	..	.. .. ..	.. .. ..	13.75	17.28	00,00	02,03	+ 226	− 1	..	..	18	0001	*14.17*
t	.. ..	..	.. .. ..	.. .. ..	12.90	18.10	00,00	00,00	+ 175	+ 48	..	..	..	....	*14.35*

88. −LUPI. R. A. 14h 46m.8, Dec. −46° 12′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	14 45 5.4	−46 6 11	10.05	17.10	00,00	00,00	0	0	..	..	..	....	....
a	14h 2843	8.8	14 44 43.9	−46 6 55	6.32	16.38	02,03	03,02	− 224	− 43	0.0	0	22	0001	8.52
b	14h 2906	9.2	14 45 36.1	−45 44 39	15.38	38.80	02,03	00,00	+ 320	+1302	0.0	*10*	31	0000	8.74
c	14h 2733	9.2	14 43 6.1	−45 57 52	*10.80*	25.38	00,00	03,02	−1251	+ 497	0.9	2	34	0001	9.05
d	14h 2861	8.5	14 44 57.2	−46 27 27	8.80	*4.30*	00,00	00,00	− 75	−1284	*1.0*	8	48	0101	9.39
e	−46° 9652	10.0	14 45 7.8	−46 8.2	10.42	15.35	03,02	00,00	+ 22	− 105	..	..	42	1101	9.87
f	−46° 9637	10.0	14 43 54.5	−46 21.0	*1.90*	2.35	00,00	00,00	− 717	− 885	..	..	40	0011	10.29
g	−46° 9651	10.0	14 45 4.6	−46 14.1	10.12	9.12	02,03	02,03	+ 4	− 479	..	..	44	1100	10.69
h	−46° 9654	10.0	14 45 16.4	−46 4.7	12.25	18.75	00,00	00,00	+ 132	+ 99	..	..	50	0000	11.13
k	.. ..	..	.. .. ..	.. .. ..	12.18	15.88	03,02	03,02	+ 128	− 73	..	..	46	0011	11.63
l	.. ..	..	.. .. ..	.. .. ..	10.40	14.10	00,00	00,00	+ 21	− 180	..	..	23	1.01	12.09
m	.. ..	..	.. .. ..	.. .. ..	11.05	12.90	00,00	00,00	+ 60	− 252	..	..	28	0.01	12.32
n	.. ..	..	.. .. ..	.. .. ..	5.40	11.90	00,00	00,00	− 279	− 312	..	..	42	0111	12.60
o	.. ..	..	.. .. ..	.. .. ..	9.55	12.80	00,00	00,00	− 30	− 258	..	..	22	0000	*13.02*
p	.. ..	..	.. .. ..	.. .. ..	6.75	14.10	00,00	00,00	− 198	− 180	..	..	40	1111	*13.24*
q	.. ..	..	.. .. ..	.. .. ..	10.30	18.10	00,00	00,00	+ 15	+ 60	..	..	28	0001	*13.64*
r	.. ..	..	.. .. ..	.. .. ..	12.70	15.25	00,00	00,00	+ 159	− 111	..	..	25	1100	*13.92*
s	.. ..	..	.. .. ..	.. .. ..	13.75	17.28	00,00	02,03	+ 222	+ 11	..	..	18	0001	*14.17*
t	.. ..	..	.. .. ..	.. .. ..	12.90	18.10	00,00	00,00	+ 171	+ 60	..	..	..	....	*14.35*

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
89. V Lupi. R. A. 14h 52m.6, Dec. −53° 0′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	14h 3225	8.5	14 50 45.8	−52 54 17	8.35	3.65	00,00	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	14h 3180	8.0	14 50 13.1	−52 59 10	6.68	2.10	02,*03*	00,00	− 299	− 277	. .	. .	28	0*1*00	8.77
b	14h 3383	9.5	14 53 6.9	−53 8 28	15.40	*1.18*	00,00	03,*02*	+1262	− 865	. .	. .	22	1000	9.05
c	14h 3259	9.5	14 51 15.1	−52 49 21	9.78	5.35	02,*03*	00,00	+ 256	+ 304	. .	. .	28	00*1*0	9.27
d	−53°6172	9.6	14 48 30.7	−53 1.4	1.55	1.35	00,00	00,00	−1217	− 412	. .	. .	30	0*1*01	9.55
e	−52°7661	9.8	14 49 33.7	−52 44.1	4.70	7.10	00,00	00,00	− 653	+ 618	. .	. .	30	0000	9.85
f	−52°7680	10.0	14 50 43.7	−52 53.3	8.28	4.05	02,*03*	00,00	− 13	+ 72	. .	. .	35	00*11*	10.15
g	−52°7712	10.0	14 52 33.5	−52 50.0	13.72	5.20	03,*02*	00,00	+ 961	+ 277	. .	. .	35	*11*00	10.50
h	−52°7674	10.4	14 50 19.7	−52 48.0	7.10	5.72	00,00	*02*,03	− 224	+ 371	. .	. .	12	0100	10.85
k	−52°7666	10.3	14 49 53.7	−52 55.8	5.70	3.25	00,00	00,00	− 474	− 72	. .	. .	22	0100	10.97
l	−52°7688	10.6	14 51 12.2	−52 59.1	9.70	*2*.20	00,00	00,00	+ 242	− 260	. .	. .	35	*11*00	11.19
m	. . . .	. .	. . . . . .	. . . . . .	8.10	3.75	00,00	00,00	− 45	+ 18	. .	. .	. .	. . . .	11.54
90. S Apodis. R. A. 14h 59m.4, Dec. −71° 40′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−71°1743	9.7	14 56 56.0	−71 34.5	3.65	5.72	00,00	03,*02*	0	0	. .	. .	. .	. . . .	. . . .
a	20331	7.6	14 52 46.6	−71 41 39	*2*.90	3.30	00,00	00,00	−1172	− 433	. .	. .	48	*111*0	6.60
b	20379	6.7	14 54 46.0	−71 24 51	0.20	9.05	00,00	00,00	− 618	+ 596	. .	. .	35	00*11*	7.08
c	20648	6.8	15 6 51.2	−71 19 42	19.50	10.35	00,00	00,00	+2837	+ 829	. .	. .	35	00*11*	7.43
d	−71°1711	8.7	14 50 25.5	−71 22.1	*6.75*	9.70	00,00	00,00	−1862	+ 712	. .	. .	38	1*1*0*1*	7.78
e	−71°1707	8.7	14 49 54.0	−71 34.8	*7.50*	5.55	00,00	00,00	−1996	− 30	. .	. .	32	0010	8.16
f	−71°1715	9.2	14 51 50.0	−71 24.0	*4.50*	9.20	00,00	00,00	−1459	+ 623	. .	. .	12	0001	8.48
g	−71°1725	9.2	14 54 21.0	−71 20.8	*0.50*	10.30	00,00	00,00	− 743	+ 820	. .	. .	48	*11*01	8.60
h	−71°1733	9.4	14 55 55.3	−71 27.6	2.05	8.08	00,00	*03*,02	− 286	+ 422	. .	. .	32	0001	9.08
k	−71°1746	9.6	14 57 19.3	−71 33.1	4.25	6.25	00,00	00,00	+ 107	+ 95	. .	. .	32	0100	9.40
l	−71°1751	9.8	14 58 16.3	−71 36.1	5.75	5.25	00,00	00,00	+ 376	− 84	. .	. .	40	001*1*	9.72
m	. . . .	. .	. . . . . .	. . . . . .	4.20	7.05	00,00	00,00	+ 98	+ 238	. .	. .	35	0*11*0	10.12
n	. . . .	. .	. . . . . .	. . . . . .	3.60	6.68	00,00	*03*,02	− 9	+ 172	. .	. .	35	*1*0*1*0	10.47
o	. . . .	. .	. . . . . .	. . . . . .	4.20	6.58	00,00	*03*,02	+ 98	+ 154	. .	. .	. .	. . . .	10.82
91. − Trianguli Australis. R. A. 15h 4m.8, Dec. −69° 42′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	20554	6.2	15 2 21.6	−69 36 19	5.50	10.58	00,00	*03*,02	0	0	. .	. .	. .	. . . .	. . . .
a	20545	7.8	15 2 6.5	−70 5 5	4.70	1.00	00,00	00,00	− 143	−1715	. .	. .	30	0000	7.74
b	15h 416	8.5	15 6 1.8	−69 49 32	11.62	5.80	*02*,03	00,00	+1095	− 856	. .	. .	32	0010	8.04
c	15h 324	8.0	15 4 47.6	−69 24 30	9.95	14.35	00,00	00,00	+ 797	+ 675	. .	. .	32	0100	8.36
d	15h 295	8.5	15 4 17.8	−69 16 49	9.28	16.90	02,*03*	00,00	+ 677	+1131	. .	. .	40	0*1*01	8.68
e	15h 5	9.0	15 0 3.8	−70 8 20	1.25	0.05	00,00	00,00	− 761	−1885	. .	. .	45	0101	9.08
f	−69°2259	9.0	15 0 39.1	−69 28.8	2.60	13.18	00,00	02,*03*	− 519	+ 465	. .	. .	32	0001	9.53
g	−69°2270	9.2	15 2 50.3	−69 28.8	6.40	13.10	00,00	00,00	+ 161	+ 451	. .	. .	30	0000	9.85
h	−69°2268	9.4	15 2 41.8	−69 33.1	6.20	11.60	00,00	00,00	+ 125	+ 183	. .	. .	38	*1*000	10.15
k	−69°2274	9.6	15 3 11.8	−69 36.3	6.98	10.50	02,*03*	00,00	+ 265	− 14	. .	. .	40	0000	10.53
l	. . . .	. .	. . . . . .	. . . . . .	7.70	10.20	00,00	00,00	+ 394	− 68	. .	. .	32	0010	10.93
m	. . . .	. .	. . . . . .	. . . . . .	5.35	11.90	00,00	00,00	− 27	+ 236	. .	. .	42	0100	11.25
n	. . . .	. .	. . . . . .	. . . . . .	5.95	10.28	00,00	*03*,02	+ 81	− 54	. .	. .	. .	. . . .	11.67

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	$\Delta\alpha$	$\Delta\delta$	Mean.	Resid.	Magn.
92. W LUPI. R. A. 15h 8m.5, Dec. −50° 25′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	15 6 44.8	−50 19 26	9.75	6.43	00,00	*03*,02	0	0	..	..	..	....	....
a	15h 284	10.0	15 4 9.6	−50 15 40	1.48	7.55	*03*,02	00,00	−1480	+ 200	*1.3*	*1*	30	0000	8.77
b	−50°9205	9.6	15 6 13.2	−50 29.2	8.25	3.25	00,00	00,90	− 268	− 569	..	..	05	0200	9.07
c	15h 552	8.0	15 7 53.1	−50 34 56	13.45	1.30	00,00	00,00	+ 662	− 918	1.6	0	22	0100	9.12
d	15h 809	9.5	15 4 34.8	−49 55 40	2.60	14.28	00,00	02,*03*	−1280	+1405	0.0	1	32	0001	9.34
e	−50°9206	10.0	15 6 15.8	−50 18.2	8.25	6.75	00,00	00,00	− 268	+ 57	..	..	32	0*1*11	9.66
f	−50°9233	10.0	15 7 58.2	−50 24.0	13.80	5.20	00,00	00,00	+ 725	− 220	..	..	25	0200	9.98
g	−50°9199	10.0	15 5 56.8	−50 16.1	7.30	7.40	00,00	00,00	− 439	+ 174	..	..	22	0100	10.23
h	−50°9208	10.0	15 6 19.6	−50 18.2	8.40	6.75	00,00	00,00	− 242	+ 57	..	..	32	0010	10.45
k	B	B	15 6 44.1	−50 21.5	9.75	5.70	00,00	00,00	0	− 131	..	..	45	*1*111	10.77
l	.. ..	..	.. .. ..	.. .. ..	11.95	5.85	00,00	00,00	+ 394	− 104	..	..	30	*1*001	11.22
m	.. ..	..	.. .. ..	.. .. ..	9.80	8.25	00,00	00,00	+ 9	+ 326	..	..	28	*11*10	11.52
n	.. ..	..	.. .. ..	.. .. ..	9.48	7.65	*03*,02	00,00	− 48	+ 218	..	..	30	*1*010	11.80
o	.. ..	..	.. .. ..	.. .. ..	11.10	5.75	00,00	00,00	+ 242	− 122	..	..	22	0001	12.10
p	.. ..	..	.. .. ..	.. .. ..	10.60	5.50	00,00	00,00	+ 152	− 166	..	..	18	*1*000	12.32
q	.. ..	..	.. .. ..	.. .. ..	10.70	5.70	00,00	00,00	+ 170	− 131	..	..	30	.000	12.50
r	.. ..	..	.. .. ..	.. .. ..	9.60	7.30	00,00	00,00	− 27	+ 156	..	..	20	.01*1*	12.80
s	.. ..	..	.. .. ..	.. .. ..	9.70	7.10	00,00	00,00	− 9	+ 120	..	..	..	....	13.00
93. RS LIBRAE. R. A. 15h 18m.5, Dec. −22° 33′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	15 15 52.4	−22 23.7	9.70	6.70	00,00	00,00	0	0	..	..	..	....	....
a	−22°3943	8.5	15 14 17.8	−22 22.7	2.32	6.90	03,*02*	00,00	−1321	+ 36	0.6	24	62	2*1*00	8.18
b	−22°3951	9.0	15 16 28.5	−22 23.0	12.48	6.90	02,*03*	00,00	+ 498	+ 36	0.2	6	32	0100	8.80
c	−22°3948	8.8	15 15 43.9	−22 12.4	9.10	10.52	00,00	*02*,03	− 107	+ 684	*0.8*	*6*	35	*2*000	9.12
d	−22°3954	9.4	15 17 7.4	−22 15.4	15.42	9.60	*02*,03	00,00	+1024	+ 519	1.2	*24*	45	30*1*0	9.47
e	−22°3952	9.8	15 16 34.6	−22 10.3	13.08	11.15	02,*03*	00,00	+ 605	+ 797	*14*	6	50	0000	9.92
f	B	B	.. .. ..	.. .. ..	8.20	3.75	00,00	00,00	− 268	− 528	..	..	65	1010	10.42
g	B	B	.. .. ..	.. .. ..	13.18	5.70	02,*03*	00,00	+ 623	− 179	..	..	48	*11*10	11.07
h	.. ..	..	.. .. ..	.. .. ..	10.95	5.20	00,00	00,00	+ 224	− 268	..	..	22	20*1*0	11.55
k	.. ..	..	.. .. ..	.. .. ..	9.05	7.18	00,00	02,*03*	− 116	+ 86	..	..	33	10.0	11.77
l	.. ..	..	.. .. ..	.. .. ..	11.08	6.60	02,*03*	00,00	+ 247	− 18	..	..	..	....	12.10
94. R CIRCINI. R. A. 15h 20m.0, Dec. −57° 22′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−57°7055	10.2	15 18 6.2	−57 17.1	4.87	6.35	*02,02*	00,00	0	0	..	..	..	....	....
a	15h 1137	9.0	15 16 42.1	−57 31 37	1.18	1.45	*03*,02	00,00	− 661	− 877	..	..	35	0*1*0*1*	8.14
b	15h 1291	9.0	15 18 53.3	−57 20 52	7.05	5.18	00,00	*03*,02	+ 390	− 209	..	..	35	*1*0*1*0	8.49
c	20884	9.0	15 18 5.8	−56 55 7	4.80	13.68	00,00	*03*,02	− 13	+1312	..	..	22	0100	8.84
d	15h 1216	9.2	15 17 48.5	−57 29 5	4.15	2.30	00,00	00,00	− 129	− 725	..	..	28	0*1*00	9.06
e	15h 1164	9.5	15 17 8.4	−57 32 24	2.30	1.25	00,00	00,00	− 460	− 913	..	..	48	010*2*	9.34
f	15h 1209	8.0	15 17 43.0	−56 55 3	3.75	13.70	00,00	00,00	− 200	+1316	..	..	40	001*1*	9.82
g	−57°7054	10.1	15 17 49.7	−57 17.2	4.20	6.30	00,00	00,00	− 120	− 9	..	..	20	0000	10.22
h	−57°7051	10.2	15 17 18.2	−57 9.7	2.68	8.78	02,*03*	02,*03*	− 392	+ 435	..	..	18	01*11*	10.42
k	−57°7062	10.2	15 18 56.7	−57 16.1	7.20	6.70	00,00	00,00	+ 417	+ 63	..	..	32	1000	10.60

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
94. R Circini. R. A. 15ʰ 20ᵐ.0, Dec. −57° 22′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
l	.. ..	..	.. .. ..	.. .. ..	1.32	10.48	*02*,03	02,*03*	− 635	+ 739	..	..	20	0000	10.92
m	.. ..	..	.. .. ..	.. .. ..	2.80	7.20	00,00	00,00	− 371	+ 152	..	..	12	110*1*	11.12
n	.. ..	..	.. .. ..	.. .. ..	5.85	8.92	00,00	03,*02*	+ 175	+ 460	..	..	10	0*1*10	11.24
o	.. ..	..	.. .. ..	.. .. ..	7.58	8.60	*03*,02	00,00	+ 485	+ 403	..	..	15	100*1*	11.34
p	.. ..	..	.. .. ..	.. .. ..	6.55	7.45	00,00	00,00	+ 301	+ 197	..	..	15	0*11*0	11.49
q	.. ..	..	.. .. ..	.. .. ..	4.35	6.90	00,00	00,00	− 93	+ 98	..	..	25	0110	11.64
r	.. ..	..	.. .. ..	.. .. ..	6.00	5.40	00,00	00,00	+ 202	− 170	..	..	30	00*1*1	11.89
s	.. ..	..	.. .. ..	.. .. ..	5.08	6.85	02,*03*	00,00	+ 38	+ 90	..	..	..	....	12.19
95. Nova Normae. R. A. 15ʰ 22ᵐ.2, Dec. −50° 14′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	15 20 22.4	−50 8 50	0.22	6.50	*02*,03	00,00	0	0	..	..	..	....	....
a	20910	6.9	15 19 20.7	−51 9 35	B	B	....	....	− 563	−3647	..	..	58	00*1*0	6.87
b	20940	8.0	15 20 26.9	−50 17 54	*1.08*	19.25	*02*,03	00,00	+ 52	− 544	..	..	38	000*1*	7.57
c	20938	7.5	15 20 24.0	−49 30 51	B	B	....	....	+ 16	+2279	..	..	38	01*11*	8.02
d	−50° 9509	9.1	15 22 6.0	−50 4.6	*23.48*	0.20	*02*,03	00,00	+1005	+ 267	..	..	38	000*1*	8.48
e	15ʰ 1279	9.0	15 18 41.2	−49 43 27	23.60	29.18	00,00	*02*,03	− 979	+1519	..	..	55	*2321*	8.93
f	−50° 9487	9.3	15 20 57.0	−50 5.2	*7.78*	1.30	*02*,03	00,00	+ 339	+ 220	..	..	28	01*11*	9.59
g	−49° 9644	10.0	15 19 17.8	−49 42.3	14.90	*30.92*	00,00	*03*,02	− 622	+1587	..	..	28	*12*20	9.93
h	20926	8.8	15 20 9.5	−50 0 50	3.15	*4.80*	00,00	00,00	− 127	+ 479	..	..	48	*1*000	10.27
k	−50° 9460	9.8	15 20 9.5	−50 5.2	3.15	1.50	00,00	00,00	− 124	+ 212	..	..	52	011*1*	10.84
l	−50° 9493	10.0	15 21 17.5	−50 3.2	*12.50*	*2.55*	00,00	00,00	+ 539	+ 384	..	..	32	*1*110	11.47
m	B	B	15 20 20.0	−50 1.5	0.80	*3.98*	00,00	03,*02*	− 25	+ 444	..	..	57	0.0*1*	11.55
n	.. ..	..	.. .. ..	.. .. ..	*2.80*	*1.20*	00,00	00,00	+ 128	+ 326	..	..	27	0.0*1*	12.53
o	.. ..	..	.. .. ..	.. .. ..	*3.75*	4.82	00,00	*02*,03	+ 168	+ 71	..	..	30	0..0	12.87
p	.. ..	..	.. .. ..	.. .. ..	*1.05*	7.30	00,00	00,00	+ 56	− 32	..	..	30	*1*..1	13.22
q	.. ..	..	.. .. ..	.. .. ..	1.75	2.52	00,00	*02*,03	− 70	+ 170	..	..	25	0..1	13.58
r	.. ..	..	.. .. ..	.. .. ..	2.05	4.05	00,00	00,00	− 81	+ 103	..	..	50	....	*13.88*
s	.. ..	..	.. .. ..	.. .. ..	3.48	7.20	02,*03*	00,00	− 134	− 37	..	..	42	....	*14.48*
t	.. ..	..	.. .. ..	.. .. ..	*0.88*	6.20	*02*,03	00,00	+ 48	+ 18	..	..	20	....	*14.98*
u	.. ..	..	.. .. ..	.. .. ..	....	....	....	....	− 29	− 44	..	..	38	....	*15.22*
x	.. ..	..	.. .. ..	.. .. ..	....	....	....	....	− 15	+ 10	..	..	45	....	*15.68*
y	.. ..	..	.. .. ..	.. .. ..	....	....	....	....	− 6	+ 22	..	..	..	....	*16.22*
96. RU Librae. R. A. 15ʰ 27ᵐ.7, Dec. −14° 59′.															
			h. m. s.	° ′					″	″	s.	″			
V	−14° 4228	9.4	15 25 10.3	−14 50.0	5.45	6.68	00,00	*03*,02	0	0	..	..	..	....	....
a	−15° 4136	8.6	15 24 30.9	−15 7.1	2.35	1.05	00,00	00,00	− 555	−1008	..	..	50	0010	8.30
b	−14° 4227	8.7	15 24 57.8	−14 54.3	4.48	5.35	*03*,02	00,00	− 174	− 238	..	..	30	0000	8.80
c	−14° 4234	9.2	15 26 11.2	−14 58.9	10.42	3.70	*02*,03	00,00	+ 890	− 533	..	..	42	1000	9.10
d	.. ..	..	.. .. ..	.. .. ..	1.15	6.15	00,00	00,00	− 770	− 95	..	..	30	0000	9.52
e	.. ..	..	.. .. ..	.. .. ..	5.30	2.72	00,00	*02*,03	− 27	− 709	..	..	30	0010	9.82
f	−14° 4236	9.8	15 26 38.0	−14 57.9	12.60	4.10	00,00	00,00	+1280	− 462	..	..	34	0110	10.12
g	.. ..	..	.. .. ..	.. .. ..	7.78	3.22	02,*03*	*02*,03	+ 417	− 619	..	..	42	*1*110	10.46
h	.. ..	..	.. .. ..	.. .. ..	7.20	10.65	00,00	00,00	+ 313	+ 711	..	..	32	0100	10.88

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
96. RU Librae. R. A. 15^h 27^m.7, Dec. −14° 59′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
k	.. ..	..	.. .. ..	.. .. ..	6.65	9.30	00,00	00,00	+ 215	+ 469	..	..	44	1001	11.20
l	.. ..	..	.. .. ..	.. .. ..	2.58	6.80	02,*03*	00,00	− 514	+ 21	..	..	50	.00.	11.64
m	.. ..	..	.. .. ..	.. .. ..	7.58	6.68	02,*03*	*03*,02	+ 381	0	..	..	..	....	12.14
97. S Ursae Minoris. R. A. 15^h 33^m.4, Dec. +78° 58′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	15 35 13	+79 7.1	3.82	10.82	*02*,03	*02*,03	0	0	..	..	..	....	....
1	+79° 469	9.5	15 35 34	+79 9.8	4.20	11.68	00,00	*03*,02	+ 62	+ 140	0.0	24	..	....	....
2	+78° 528	9.5	15 41 34	+78 54.9	10.52	6.48	03,*02*	*03*,02	+1092	− 707	0.0	*24*	..	....	....
3	+78° 516	9.1	15 31 49	+78 40.6	0.15	1.10	00,00	00,00	− 598	−1584	0.0	*6*	..	....	....
a	+80° 478	7.8	15 34 29	+80 16.0	3.28	35.85	02,*03*	00,00	− 88	+4080	..	..	50	001*1*	7.98
b	+79° 470	8.0	15 40 4	+79 40.2	8.58	23.10	*03*,02	00,00	+ 776	+2002	..	..	52	*111*0	8.48
c	+78° 519	9.0	15 36 33	+78 47.8	5.22	3.85	03,*02*	00,00	+ 228	−1136	..	..	55	*1*0*1*0	9.00
d	.. ..	..	.. .. ..	.. .. ..	1.20	6.78	00,00	*03*,02	− 427	− 659	..	..	50	000*1*	9.55
e	+79° 467	9.4	15 35 18	+79 6.0	3.82	10.40	03,*02*	00,00	0	− 68	..	..	45	1020	10.05
f	.. ..	..	.. .. ..	.. .. ..	5.40	12.10	00,00	00,00	+ 258	+ 209	..	..	40	0000	10.50
g	.. ..	..	.. .. ..	.. .. ..	3.48	11.25	*03*,02	00,00	− 55	+ 70	..	..	40	0000	10.90
h	.. ..	..	.. .. ..	.. .. ..	6.35	6.55	00,00	00,00	+ 412	− 696	..	..	42	1000	11.30
k	.. ..	..	.. .. ..	.. .. ..	5.45	11.82	00,00	03,*02*	+ 266	+ 163	..	..	..	....	11.72
98. U Serpentis. R. A. 16^h 2^m.5, Dec. +10° 12′.															
			h. m. s.	° ′					″	″	s.	″			
V	+10°2956	9.3	16 0 21.1	+10 19.5	2.08	1.65	02,*03*	00,00	0	0	..	..	..	....	....
a	+10°2955	7.5	15 58 57.6	+10 20.5	*5.65*	1.85	00,00	00,00	−1260	+ 83	..	..	32	0001	7.06
b	+10°2959	7.3	16 1 12.0	+10 28.8	6.45	4.88	00,00	02,*03*	+ 712	+ 526	..	..	62	110*1*	7.38
c	+10°2968	7.2	16 3 48.8	+10 25.3	20.65	3.72	00,00	03,*02*	+3027	+ 337	..	..	25	1100	8.00
d	+10°2952	8.0	15 57 53.6	+10 3.0	*11.55*	*4.48*	00,00	03,*02*	−2222	− 999	..	..	42	0100	8.25
e	+10°2966	8.5	16 2 50.3	+10 50.6	15.38	12.78	02,*03*	*03*,02	+2168	+1814	..	..	40	0000	8.67
f	+10°2954	9.4	15 58 44.3	+10 21.1	*6.72*	2.25	*03*,02	00,00	−1434	+ 98	..	..	20	0000	9.07
g	+11°2920	8.7	16 1 24.8	+11 0.3	7.62	16.65	*02*,03	00,00	+ 903	+2445	..	..	45	0101	9.27
h	+10°2960	9.1	16 1 30.1	+10 22.6	8.25	2.30	00,00	00,00	+1006	+ 106	..	..	50	0000	9.72
k	+10°2961	9.4	16 1 38.9	+10 23.6	9.02	3.22	03,*02*	03,*02*	+1131	+ 256	..	..	52	1000	10.22
l	.. ..	..	.. .. ..	.. .. ..	5.10	2.48	00,00	02,*03*	+ 492	+ 135	..	..	40	0000	10.74
m	.. ..	..	.. .. ..	.. .. ..	6.30	0.95	00,00	00,00	+ 688	− 114	..	..	50	001*1*	11.14
n	.. ..	..	.. .. ..	.. .. ..	2.60	3.55	00,00	00,00	+ 85	+ 310	..	..	..	....	11.64
99. V Normae. R. A. 16^h 2^m.6, Dec. −48° 58′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	16^h 59	8.2	16 0 48.7	−48 54 9	5.45	4.45	00,00	00,00	0	0	..	..	..	....	....
a	16^h 185	8.5	16 2 16.6	−48 39 6	10.25	9.55	00,00	00,00	+ 859	+ 913	..	..	28	00*1*0	8.52
b	16^h 157	8.5	16 1 54.8	−48 37 53	9.10	9.90	00,00	00,00	+ 653	+ 976	..	..	25	1010	8.80
c	16^h 89	9.0	16 1 10.6	−48 38 3	6.58	9.80	*03*,02	00,00	+ 202	+ 958	..	..	10	1*1*00	9.05
d	16^h 74	9.5	16 0 53.9	−48 55 29	5.78	4.10	*03*,02	00,00	+ 59	− 63	..	..	40	0000	9.15

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
99. V Normae. R. A. 16h 2m.6, Dec. −48° 58′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
e	−49° 10357	9.4	16 0 43.9	−49 0.0	5.32	2.50	*02*,03	00,00	− 23	− 349	. .	. .	25	0101	9.55
f	−49° 10362	10.0	16 1 8.5	−49 1.0	6.60	2.30	00,00	00,00	+ 206	− 385	. .	. .	28	000*1*	9.80
g	−48° 10596	10.0	16 2 31.8	−48 49.1	11.25	6.28	00,00	02,*03*	+1038	+ 328	. .	. .	32	110*1*	10.08
h	−49° 10350	10.0	16 0 28.4	−49 3.9	4.40	1.30	00,00	00,00	− 188	− 564	. .	. .	05	0110	10.40
k	−48° 10563	10.0	15 59 27.8	−48 57.6	1.15	3.30	00,00	00,00	− 770	− 206	. .	. .	38	0*1*00	10.45
l	R	10.1	16 1 0.8	−48 50.7	6.22	5.60	*02*,03	00,00	+ 138	+ 206	. .	. .	45	1010	10.83
m	.. ..	..	.. .. ..	.. .. ..	6.35	5.72	00,00	03,*02*	+ 161	+ 227	. .	. .	32	1*121*	11.28
n	.. ..	..	.. .. ..	.. .. ..	8.05	4.42	00,00	*02*,03	+ 465	− 5	. .	. .	18	*1011*	11.60
o	.. ..	..	.. .. ..	.. .. ..	6.40	5.05	00,00	00,00	+ 170	+ 107	. .	. .	..	....	11.78
100. W Normae. R. A. 16h 9m.0, Dec. −52° 21′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	21999	8.5	16 7 4.7	−52 17 13	6.50	11.38	00,00	02,*03*	0	0	. .	. .	..	....	....
a	−52° 9490	7.9	16 8 31.5	−52 25.4	11.02	8.68	*02*,03	*03*,02	+ 809	− 483	. .	. .	48	0*11*1	7.60
b	16h 438	8.7	16 6 4.5	−52 3 2	3.30	16.10	00,00	00,00	− 573	+ 845	. .	. .	28	0*1*00	8.08
c	16h 570	9.0	16 8 7.3	−52 45 38	9.80	1.90	00,00	00,00	+ 591	−1697	. .	. .	40	00*1*1	8.36
d	16h 511	9.0	16 7 8.3	−52 35 25	6.75	5.30	00,00	00,00	+ 45	−1088	. .	. .	32	0010	8.76
e	−52° 9405	8.8	16 5 26.3	−52 12.5	1.42	12.75	*02*,03	00,00	− 909	+ 245	. .	. .	28	0*11*1	9.08
f	16h 610	8.5	16 8 44.4	−52 16 10	11.60	11.75	00,00	00,00	+ 913	+ 66	. .	. .	30	010*1*	9.36
g	16h 616	9.0	16 8 47.8	−52 17 9	11.75	11.45	00,00	00,00	+ 940	+ 13	. .	. .	05	1100	9.66
h	−52° 9471	9.2	16 7 44.5	−52 19.4	8.55	10.65	00,00	00,00	+ 367	− 131	. .	. .	25	0020	9.71
k	−52° 9455	9.4	16 7 12.5	−52 16.2	6.82	11.68	03,*02*	02,*03*	+ 57	+ 54	. .	. .	15	*1001*	9.96
l	−52° 9459	9.5	16 7 19.5	−52 13.4	7.25	12.60	00,00	00,00	+ 134	+ 218	. .	. .	18	1*11*0	10.11
m	−52° 9465	9.6	16 7 32.5	−52 19.3	7.90	10.65	00,00	00,00	+ 251	− 131	. .	. .	05	0101	10.29
n	−52° 9453	9.6	16 7 6.5	−52 20.0	6.60	10.40	00,00	00,00	+ 18	− 175	. .	. .	25	0011	10.34
o	−52° 9442	9.8	16 6 45.3	−52 15.8	5.50	11.75	00,00	00,00	− 179	+ 66	. .	. .	12	*1*101	10.59
p	−52° 9443	9.9	16 6 45.3	−52 19.7	5.55	10.45	00,00	00,00	− 170	− 166	. .	. .	22	1000	10.71
q	−52° 9449	10.0	16 7 2.3	−52 18.9	6.40	10.72	00,00	*02*,03	− 18	− 118	. .	. .	22	0000	10.93
r	−52° 9463	10.1	16 7 28.0	−52 17.2	7.70	11.40	00,00	00,00	+ 215	+ 4	. .	. .	32	1*1*01	11.15
s	.. ..	..	.. .. ..	.. .. ..	6.35	10.40	00,00	00,00	− 27	− 175	. .	. .	..	....	11.47
101. – Normae. R. A. 16h 14m.6, Dec. −50° 14′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−50° 10442	9.5	16 12 40.8	−50 10.3	11.21	4.46	*01*,*01*	*01*,04	0	0	. .	. .	..	....	....
a	−50° 10451	8.2	16 13 9.8	−50 14.5	12.68	3.10	02,*03*	00,00	+ 263	− 243	. .	. .	15	0*11*0	8.25
b	16h 808	8.5	16 11 18.9	−49 50 29	6.72	11.20	03,*02*	00,00	− 804	+1206	. .	. .	20	*1*100	8.40
c	16h 667	8.5	16 9 26.4	−50 9 32	0.70	4.65	00,00	00,00	−1881	+ 34	. .	. .	25	0101	8.60
d	−50° 10439	9.0	16 12 37.2	−50 1.4	10.90	7.42	00,00	*02*,03	− 55	+ 530	. .	. .	25	111*1*	8.85
e	−50° 10398	9.8	16 10 49.9	−50 10.7	5.25	4.35	00,00	00,00	−1067	− 20	. .	. .	32	020*1*	9.10
f	−50° 10415	9.7	16 11 26.0	−50 3.0	7.20	7.05	00,00	00,00	− 718	+ 464	. .	. .	32	0100	9.42
g	−50° 10448	10.0	16 13 4.4	−50 4.8	12.35	6.40	00,00	00,00	+ 204	+ 347	. .	. .	28	000*1*	9.74
h	−50° 10445	9.8	16 12 46.5	−50 17.8	11.40	1.95	00,00	00,00	+ 34	− 449	. .	. .	22	0100	10.02
k	−50° 10453	10.0	16 13 14.3	−50 4.5	12.90	6.42	00,00	*02*,03	+ 303	+ 351	. .	. .	28	*1011*	10.24
l	−50° 10457	10.5	16 13 18.1	−50 6.3	13.15	5.78	00,00	02,*03*	+ 347	+ 236	. .	. .	42	0100	10.52
m	−50° 10458	10.5	16 13 20.8	−50 7.2	13.28	5.48	*03*,02	02,*03*	+ 371	+ 183	. .	. .	35	*1111*	10.94

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
101. — Normae. R. A. 16^h 14^m.6, Dec. −50° 14′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
n	.. ..	..	.. .. ..	.. .. ..	11.28	3.68	*03*,02	02,*03*	+ 13	− 140	. .	..	30	*1*20*1*	11.29
o	.. ..	..	.. .. ..	.. .. ..	9.52	5.32	03,*02*	*02*,03	− 303	+ 154	. .	..	20	01*1*0	11.59
p	.. ..	..	.. .. ..	.. .. ..	10.75	4.42	00,00	*02*,03	− 82	− 7	. .	..	08	0*1*00	11.79
q	.. ..	..	.. .. ..	.. .. ..	11.28	4.75	02,*03*	00,00	+ 13	+ 52	. .	..	25	1001	11.87
r	.. ..	..	.. .. ..	.. .. ..	11.00	4.15	00,00	00,00	− 38	− 55	. .	..	..	....	12.12
102. X Normae. R. A. 16^h 17^m.7, Dec. −51° 42′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−51° 10147	10.0	16 15 49.9	−51 38.1	5.67	6.61	*02*,03	*01*,04	0	0	. .	..	..	....	....
a	16^h 1022	9.5	16 14 29.0	−51 42 4	1.45	5.35	00,00	00,00	− 755	− 226	. .	..	22	1000	8.77
b	16^h 1100	9.5	16 15 46.5	−51 56 30	5.38	0.40	02,*03*	00,00	− 52	−1112	. .	..	22	002*1*	8.99
c	16^h 1171	9.5	16 16 45.1	−51 30 31	8.65	9.10	00,00	00,00	+ 533	+ 446	. .	..	80	0*1*10	9.21
d	16^h 1142	9.2	16 16 21.5	−51 52 36	7.20	1.70	00,00	00,00	+ 274	− 879	. .	..	22	0010	10.01
e	16^h 1160	9.5	16 16 32.8	−51 36 12	7.95	7.20	00,00	00,00	+ 408	+ 106	. .	..	80	0*1*10	10.23
f	−51° 10132	10.0	16 15 22.0	−51 42.0	4.25	5.35	00,00	00,00	− 254	− 226	. .	..	22	0010	10.53
g	−51° 10156	10.0	16 16 19.4	−51 39.7	7.25	6.10	00,00	00,00	+ 283	− 91	. .	..	22	1000	10.75
h	.. ..	..	.. .. ..	.. .. ..	4.65	7.10	00,00	00,00	− 183	+ 88	. .	..	10	0*1*10	10.97
k	.. ..	..	.. .. ..	.. .. ..	5.20	7.08	00,00	*03*,02	− 84	+ 84	. .	..	22	*1*011	11.07
l	.. ..	..	.. .. ..	.. .. ..	4.15	8.48	00,00	02,*03*	− 272	+ 335	. .	..	22	0010	11.29
m	.. ..	..	.. .. ..	.. .. ..	5.40	6.65	00,00	00,00	− 48	+ 7	. .	..	25	1001	11.51
n	.. ..	..	.. .. ..	.. .. ..	4.52	6.25	03,*02*	00,00	− 206	− 64	. .	..	32	0001	11.76
o	.. ..	..	.. .. ..	.. .. ..	4.30	7.05	00,00	00,00	− 245	+ 79	. .	..	20	0*1*01	12.08
p	.. ..	..	.. .. ..	.. .. ..	5.15	5.55	00,00	00,00	− 93	− 190	. .	..	..	....	12.28
103. V Trianguli Australis. R. A. 16^h 39^m.8, Dec. −67° 36′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−67° 3220	9.7	16 37 18.0	−67 33.2	4.70	6.09	00,00	01,01	0	0	. .	..	..	....	....
a	16^h 2761	7.0	16 39 31.1	−67 27 29	8.98	7.90	02,*03*	00,00	+ 766	+ 324	. .	..	28	*1*000	7.74
b	16^h 2522	8.0	16 36 9.3	−67 2 11	2.35	16.38	00,00	02,*03*	− 421	+1842	. .	..	40	001*1*	8.02
c	16^h 2439	9.0	16 35 0.5	−67 29 10	0.30	7.30	00,00	00,00	− 788	+ 217	. .	..	18	10*2*0	8.42
d	16^h 2705	8.8	16 38 48.0	−67 20 9	7.58	10.38	02,*03*	*03*,02	+ 516	+ 768	. .	..	30	0*1*01	8.60
e	−67° 3216	8.7	16 36 39.0	−67 25.6	3.45	8.60	00,00	00,00	− 224	+ 449	. .	..	42	10*1*1	8.90
f	−67° 3230	9.2	16 38 58.0	−67 51.0	7.90	0.15	00,00	00,00	+ 573	−1063	. .	..	15	*11*00	9.32
g	−67° 3222	9.2	16 37 36.5	−67 35.0	5.30	5.38	00,00	02,*03*	+ 107	− 127	. .	..	35	*1*0*1*0	9.47
h	−67° 3214	9.6	16 36 25.5	−67 46.7	3.20	1.55	00,00	00,00	− 268	− 813	. .	..	20	010*1*	9.82
k	−67° 3215	10.0	16 36 37.0	−67 37.2	3.40	4.68	00,00	*03*,02	− 233	− 252	. .	..	25	1100	10.02
l	.. ..	..	.. .. ..	.. .. ..	2.25	9.15	00,00	00,00	− 439	+ 548	. .	..	20	001*1*	10.27
m	−67° 3223	10.1	16 37 44.0	−67 28.1	5.55	7.70	00,00	00,00	+ 152	+ 288	. .	..	15	*11*00	10.47
n	−67° 3227	10.1	16 38 45.0	−67 35.8	7.48	5.28	02,*03*	*03*,02	+ 498	− 145	. .	..	22	0010	10.62
o	.. ..	..	.. .. ..	.. .. ..	6.80	4.30	00,00	00,00	+ 376	− 320	. .	..	32	002*1*	10.84
p	.. ..	..	.. .. ..	.. .. ..	4.85	6.45	00,00	00,00	+ 27	+ 64	. .	..	22	*1*020	11.16
q	.. ..	..	.. .. ..	.. .. ..	5.00	5.70	00,00	00,00	+ 54	− 70	. .	..	..	....	11.38

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
104. RS Scorpii. R. A. 16^h $48^m.4$, Dec. −44° 56′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	22855	7.0	16 46 33.8	−44 53 44	5.72	4.18	03,03	*03*,*03*	0	0	. .	. .	. .	. . . .	. . . .
a	22819	7.5	16 45 20.9	−44 40 54	1.35	8.35	00,00	00,00	− 782	+ 746	. .	. .	28	00*1*0	7.76
b	22838	8.2	16 46 3.4	−44 46 54	3.90	6.40	00,00	00,00	− 326	+ 397	. .	. .	45	0110	8.04
c	16^h 3435	8.8	16 48 17.6	−45 0 51	11.88	1.75	*03*,02	00,00	+1103	− 435	. .	. .	28	00*1*0	8.49
d	22835	9.0	16 45 53.1	−44 52 0	3.35	4.60	00,00	00,00	− 424	+ 75	. .	. .	28	0*1*00	8.77
e	22875	9.5	16 47 12.8	−44 40 22	8.05	8.62	00,00	03,*02*	+ 417	+ 795	. .	. .	68	0*1*00	9.05
f	−44°11250	9.8	16 45 18.0	−44 48.2	1.20	5.82	00,00	*02*,03	− 809	+ 294	. .	. .	38	*1*101	9.73
g	−44°11272	9.9	16 46 31.0	−44 52.0	5.60	4.75	00,00	00,00	− 21	+ 102	. .	. .	15	*1*00*1*	10.11
h	−44°11260	10.0	16 45 48.6	−44 48.6	3.12	5.70	03,*02*	00,00	− 465	+ 272	. .	. .	45	1*1*11	10.26
k	−44°11263	9.9	16 45 59.0	−44 57.9	3.75	2.70	00,00	00,00	− 353	− 265	. .	. .	20	*1*010	10.71
l	−44°11267	10.0	16 46 11.1	−44 56.2	4.45	3.35	00,00	00,00	− 227	− 149	. .	. .	18	0*1*00	10.91
m	.. ..	..	.. .. ..	.. .. ..	5.72	4.90	*02*,03	00,00	0	+ 129	. .	. .	15	*1*00*1*	11.09
n	.. ..	..	.. .. ..	.. .. ..	4.60	4.45	00,00	00,00	− 200	+ 48	. .	. .	10	0*1*01	11.24
o	−44°11276	10.0	16 46 37.8	−44 57.9	6.25	3.02	00,00	03,*02*	+ 95	− 208	. .	. .	28	000*1*	11.34
p	R	..	.. .. ..	.. .. ..	6.15	2.48	00,00	*03*,02	+ 77	− 304	. .	. .	22	*1*011	11.62
q	.. ..	..	.. .. ..	.. .. ..	6.70	1.88	00,00	02,*03*	+ 175	− 412	. .	. .	25	0011	11.84
r	.. ..	..	.. .. ..	.. .. ..	5.58	3.45	*03*,02	00,00	− 25	− 131	. .	. .	15	*11*00	12.09
s	.. ..	..	.. .. ..	.. .. ..	5.35	3.75	00,00	00,00	− 66	− 77	. .	. .	13	.100	12.24
t	.. ..	..	.. .. ..	.. .. ..	6.28	3.62	*03*,02	*02*,03	+ 100	− 100	. .	. .	23	.100	12.37
u	.. ..	..	.. .. ..	.. .. ..	6.40	4.20	00,00	00,00	+ 122	+ 4	. .	. .	..	. . . .	12.60
105. RR Scorpii. R. A. 16^h $50^m.2$, Dec. −30° 25′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−30°13626	8.0	16 48 40.3	−30 23.2	7.32	4.32	*02*,03	*02*,03	0	0	. .	. .	. .	. . . .	. . . .
a	22873	6.9	16 47 7.7	−31 11 41	13.82	20.65	03,*02*	00,00	−1164	−2923	. .	. .	68	01*2*0	6.98
b	22896	7.2	16 47 50.8	−31 15 56	10.75	22.15	00,00	00,00	− 614	−3192	. .	. .	55	0*1*0*1*	7.66
c	16^h 3424	8.5	16 48 12.3	−31 18 56	9.25	23.15	00,00	00,00	− 345	−3371	. .	. .	52	1*1*10	8.21
d	16^h 3347	8.5	16 47 8.1	−31 0 57	13.80	17.18	00,00	02,*03*	−1160	−2302	. .	. .	65	2*1*10	8.73
e	−30°13612	9.4	16 47 39.3	−30 26.8	11.65	5.58	00,00	02,*03*	− 775	− 226	. .	. .	50	0*1*10	9.38
f	−30°13652	8.9	16 50 19.7	−30 14.9	0.10	1.38	00,00	02,*03*	+1292	+ 526	. .	. .	42	1000	9.88
g	−30°13634	9.1	16 49 10.4	−30 8.6	5.10	*0.25*	00,00	00,00	+ 397	+ 818	. .	. .	35	0*1*0*1*	10.30
h	−30°13638	9.7	16 49 23.7	−30 20.8	4.15	3.70	00,00	00,00	+ 567	+ 111	. .	. .	38	000*1*	10.65
k	−30°13636	9.7	16 49 17.1	−30 17.1	4.45	2.35	00,00	00,00	+ 514	+ 353	. .	. .	32	1000	11.03
l	−30°13628	10.0	16 48 52.3	−30 17.7	6.30	2.70	00,00	00,00	+ 183	+ 290	. .	. .	40	01*1*0	11.35
m	−30°13627	10.0	16 48 48.2	−30 7.9	6.70	*0.65*	00,00	00,00	+ 111	+ 890	. .	. .	42	0100	11.75
n	.. ..	..	.. .. ..	.. .. ..	7.00	2.90	00,00	00,00	+ 57	+ 254	. .	. .	40	0..0	12.17
o	.. ..	..	.. .. ..	.. .. ..	6.55	3.80	00,00	00,00	+ 138	+ 93	. .	. .	..	. . . .	12.57
106. T Arae. R. A. 16^h $54^m.4$, Dec. −54° 55′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	23005	8.5	16 52 19.5	−54 53 00	2.30	5.35	00,00	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	16^h 3790	9.5	16 53 4.7	−55 3 13	4.60	1.95	00,00	00,00	+ 412	− 609	. .	. .	32	0100	8.78
b	16^h 3755	9.5	16 52 33.4	−54 42 23	2.85	8.82	00,00	03,*02*	+ 98	+ 621	. .	. .	30	0000	9.10
c	−54° 7991	9.5	16 53 22.7	−54 37.3	5.25	10.65	00,00	00,00	+ 528	+ 949	. .	. .	30	0000	9.40
d	−54° 7984	9.6	16 52 39.2	−54 41.1	3.20	9.35	00,00	00,00	+ 161	+ 716	. .	. .	32	11*1*0	9.70

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
106. T Arae. R. A. 16h 54m.4, Dec. −54° 55′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
e	−54° 7982	9.6	16 52 39.2	−54 56.3	3.30	4.25	00,00	00,00	+ 179	− 197	. .	..	30	0000	10.02
f	23007	9.2	16 52 22.5	−54 52 44	2.48	5.45	*03*,02	00,00	+ 32	+ 18	. .	..	22	0010	10.32
g	−54° 7971	10.1	16 51 59.7	−54 58.6	1.40	3.40	00,00	00,00	− 161	− 349	. .	..	28	00*1*0	10.54
h	−54° 7986	10.1	16 52 42.7	−54 51.8	3.45	5.75	00,00	00,00	+ 206	+ 72	. .	..	30	0000	10.82
k	.. ..	..	.. .. ..	.. .. ..	4.80	5.40	00,00	00,00	+ 448	+ 9	. .	..	28	*1*000	11.12
l	.. ..	..	.. .. ..	.. .. ..	3.80	6.58	00,00	02,*03*	+ 268	+ 220	. .	..	30	0000	11.40
l¹	.. ..	..	.. .. ..	.. .. ..	3.92	6.70	03,*02*	00,00	+ 290	+ 242	. .	..	..	....	....
m	.. ..	..	.. .. ..	.. .. ..	2.25	5.95	00,00	00,00	− 9	+ 107	. .	..	..	....	11.70
107. RT Scorpii. R. A. 16h 56m.8, Dec. −36° 46′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	16 55 6.6	−36 44 16	10.62	2.80	03,*02*	00,00	0	0	. .	..	..	....	....
a	16h 3888	8.0	16 54 29.9	−36 40 38	8.12	3.95	*02*,03	00,00	− 448	+ 206	0.0	0	65	111*1*	7.91
b	−36° 11146	8.9	16 52 59.2	−36 39.0	2.05	4.18	00,00	02,*03*	−1534	+ 247	. .	..	38	*1*0*1*1	8.56
c	16h 3987	8.5	16 55 50.1	−36 27 45	13.30	8.45	00,00	00,00	+ 480	+1011	*0.3*	*6*	20	10*1*0	8.94
d	16h 3974	9.5	16 55 42.5	−36 26 21	12.70	8.85	00,00	00,00	+ 372	+1083	0.4	4	30	*11*11	9.14
e	−36° 11150	9.1	16 53 12.9	−36 29.2	2.70	7.70	00,00	00,00	−1418	+ 877	. .	..	35	*11*00	9.44
f	−36° 11139	9.1	16 52 49.2	—36 30.6	1.25	6.85	00,00	00,00	−1677	+ 725	. .	..	32	0100	9.79
g	−36° 11192	9.6	16 56 0.3	−36 27.6	14.05	8.52	00,00	03,*02*	+ 614	+1024	. .	..	12	110*1*	10.11
h	−36° 11180	9.7	16 55 11.8	−36 27.9	10.75	8.35	00,00	00,00	+ 23	+ 993	. .	..	45	1010	10.23
k	−36° 11173	9.8	16 54 43.9	−36 48.6	9.25	1.35	00,00	00,00	− 245	− 260	. .	..	28	1*101*	10.68
l	−36° 11184	10.0	16 55 20.9	−36 30.3	11.50	7.50	00,00	00,00	+ 158	+ 841	. .	..	32	1*1*10	10.96
m	−36° 11185	10.0	16 55 27.5	−36 35.5	11.88	6.00	*03*,02	00,00	+ 226	+ 573	. .	..	10	11*11*	11.28
n	−36° 11174	9.8	16 54 52.6	−36 48.6	9.75	1.32	00,00	03,*02*	− 156	− 265	. .	..	25	1010	11.38
o	−36° 11183	10.0	16 55 18.9	−36 39.3	11.45	4.40	00,00	00,00	+ 149	+ 286	. .	..	25	0020	11.63
p	.. ..	..	.. .. ..	.. .. ..	13.20	5.02	00,00	*02*,03	+ 462	+ 397	. .	..	28	1*101*	11.88
q	.. ..	..	.. .. ..	.. .. ..	11.10	3.32	00,00	03,*02*	+ 86	+ 93	. .	..	30	0*121*	12.16
r	.. ..	..	.. .. ..	.. .. ..	11.75	2.65	00,00	00,00	+ 202	− 27	. .	..	25	1010	12.46
s	.. ..	..	.. .. ..	.. .. ..	11.20	2.70	00,00	00,00	+ 104	− 18	. .	..	..	....	12.71
108. RW Scorpii. R. A. 17h 8m.3, Dec. −33° 19′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	17 6 39.6	−33 16.9	5.42	7.35	03,*02*	00,00	0	0	. .	..	..	....	....
1	−33° 11875	5.8	17 7 7.4	−33 23.8	7.32	5.05	*02*,03	00,00	+ 340	− 412	0.7	0	..	....	....
a	17h 458	8.2	17 7 5.3	−33 2 37	7.20	12.20	00,00	00,00	+ 319	+ 868	. .	..	48	1*1*00	8.13
b	17h 399	9.2	17 5 59.6	−33 4 6	2.52	11.62	03,*02*	*02*,03	− 519	+ 764	. .	..	44	*1*101	8.61
c	−33° 11865	8.9	17 6 32.9	−33 15.7	5.00	7.90	00,00	00,00	− 75	+ 98	*0.7*	*24*	50	*1*100	9.05
d	−33° 11848	9.4	17 5 44.1	−33 14.4	1.62	8.10	*02*,03	00,00	− 680	+ 134	. .	..	52	00*1*0	9.55
e	−33° 11854	9.7	17 6 0.2	−33 21.3	2.82	5.72	*02*,03	*02*,03	− 465	− 292	*2.3*	30	60	00*11*	10.07
f	−33° 11857	9.9	17 6 10.1	−33 25.1	3.52	4.60	*02*,03	00,00	− 340	− 492	. .	..	48	1*21*0	10.67
g	−33° 11869	10.0	17 6 51.4	−33 8.2	6.10	10.25	00,00	00,00	+ 122	+ 519	2.1	0	42	1000	11.15
h	−33° 11861	9.9	17 6 25.4	−33 10.3	4.40	9.65	00,00	00,00	− 183	+ 412	. .	..	36	*2*010	11.57
k	.. ..	..	.. .. ..	.. .. ..	5.20	7.18	00,00	*03*,02	− 39	− 30	. .	..	32	101*1*	11.93
l	.. ..	..	.. .. ..	.. .. ..	6.90	9.30	00,00	00,00	+ 265	+ 349	. .	..	44	0100	12.25
m	.. ..	..	.. .. ..	.. .. ..	6.25	9.05	00,00	00,00	+ 149	+ 304	. .	..	42	0101	12.69

108. RW Scorpii. R. A. $17^h\ 8^m.3$, Dec. −33° 19′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
n	.. ..	..	.. .. ..	.. .. ..	5.20	6.85	00,00	00,00	− 39	− 90	..	..	43	100.	13.11
o	.. ..	..	.. .. ..	.. .. ..	5.45	7.42	00,00	03,*02*	+ 5	+ 13	..	..	35	0.*1*.	13.54
p	.. ..	..	.. .. ..	.. .. ..	4.90	7.32	00,00	*02*,03	− 93	− 5	..	..	..	....	13.89

109. Z Ophiuchi. R. A. $17^h\ 14^m.5$, Dec. +1° 37′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	+1° 3417	9.5	17 12 11.7	+ 1 40.3	3.00	5.85	00,00	00,00	0	0	..	..	..	....	....
a	+1° 3421	7.2	17 13 48.8	+ 1 35.4	11.05	4.32	00,00	03,*02*	+1441	− 274	..	..	70	*21*10	7.18
b	+1° 3422	7.8	17 13 54.1	+ 1 43.1	11.45	6.68	00,00	02,*03*	+1513	+ 149	..	..	22	0*2*02	7.88
c	+1° 3427	8.3	17 16 10.8	+ 1 37.9	22.90	5.20	00,00	00,00	+3562	− 116	..	..	58	*1121*	8.10
d	+1° 3423	8.5	17 14 59.4	+ 1 34.4	17.10	4.10	00,00	00,00	+2524	− 313	..	..	60	2000	8.68
e	+1° 3415	8.5	17 11 22.5	+ 1 9.0	*1.20*	*4.50*	00,00	00,00	− 752	−1853	..	..	62	0002	9.28
f	+1° 3412	9.3	17 10 48.4	+ 1 23.7	*4.05*	0.35	00,00	00,00	−1262	− 984	..	..	50	100*1*	9.90
g	+1° 3420	9.5	17 12 48.3	+ 1 43.5	6.05	6.80	00,00	00,00	+ 546	+ 170	..	..	44	1101	10.40
h	+1° 3416	9.5	17 11 54.1	+ 1 57.4	1.48	11.62	02,*03*	*02*,03	− 272	+1033	..	..	48	11*11*	10.84
k	.. ..	..	.. .. ..	.. .. ..	1.80	6.35	00,00	00,00	− 215	+ 90	..	..	38	*2*02*1*	11.32
l	.. ..	..	.. .. ..	.. .. ..	2.20	7.38	00,00	02,*03*	− 143	+ 274	..	..	36	*1*1*1*1	11.70
m	.. ..	..	.. .. ..	.. .. ..	1.80	7.30	00,00	00,00	− 215	+ 260	..	..	40	1..0	12.06
n	.. ..	..	.. .. ..	.. .. ..	3.80	5.60	00,00	00,00	+ 143	− 45	..	..	..	....	12.46

110. SW Scorpii. R. A. $17^h\ 18^m.1$, Dec. −43° 44′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	−43°11672	10.0	17 16 19.8	−43 42.3	6.55	5.71	00,00	04,*01*	0	0	..	..	..	....	....
a	−43°11677	9.7	17 16 37.8	−43 35.4	7.70	8.20	00,00	00,00	+ 206	+ 446	..	..	18	000*1*	9.02
b	−43°11682	9.8	17 16 51.8	−43 44.9	8.48	5.00	*03*,02	00,00	+ 345	− 127	..	..	22	0100	9.20
c	−43°11700	9.5	17 17 52.4	−43 54.8	12.25	1.75	00,00	00,00	+1020	− 709	..	..	28	0*1*00	9.42
d	−43°11666	9.6	17 15 58.8	−43 54.4	5.35	1.78	00,00	02,*03*	− 215	− 703	..	..	45	*1*120	9.70
e	−43°11661	10.0	17 15 32.4	−43 35.9	3.70	7.92	00,00	03,*02*	− 510	+ 396	..	..	20	*1*010	10.15
f	−43°11652	10.0	17 15 8.7	−43 43.6	2.30	5.30	00,00	00,00	− 761	− 73	..	..	38	000*1*	10.35
g	−43°11655	10.0	17 15 11.0	−43 50.0	2.42	3.18	03,*02*	02,*03*	− 739	− 453	..	..	20	0000	10.73
h	.. ..	..	.. .. ..	.. .. ..	7.25	6.60	00,00	00,00	+ 125	+ 159	..	..	20	0*1*01	10.93
k	.. ..	..	.. .. ..	.. .. ..	6.02	5.60	03,*02*	00,00	− 95	− 20	..	..	20	0000	11.13
l	.. ..	..	.. .. ..	.. .. ..	4.80	4.22	00,00	03,*02*	− 313	− 267	..	..	18	000*1*	11.33
m	.. ..	..	.. .. ..	.. .. ..	5.12	4.90	*02*,03	00,00	− 256	− 145	..	..	20	1*1*00	11.51
n	.. ..	..	.. .. ..	.. .. ..	6.95	6.00	00,00	00,00	+ 72	+ 52	..	..	08	10*11*	11.71
o	.. ..	..	.. .. ..	.. .. ..	7.75	4.35	00,00	00,00	+ 215	− 243	..	..	25	1100	11.79
p	.. ..	..	.. .. ..	.. .. ..	4.65	7.58	00,00	*03*,02	− 340	+ 335	..	..	27	*1*.00	12.04
q	.. ..	..	.. .. ..	.. .. ..	5.82	6.05	03,*02*	00,00	− 131	+ 61	..	..	23	0.10	12.31
r	.. ..	..	.. .. ..	.. .. ..	7.02	5.50	03,*02*	00,00	+ 84	− 38	..	..	..	....	12.54

111. S Octantis. R. A. $17^h\ 25^m.9$, Dec. −86° 46.′

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	−86° 346	9.5	17 13 4.	−86 44.3	0.70	4.56	00,00	04,*01*	0	0	..	..	..	....	....
a	23696	6.4	17 22 12.6	−85 9 18	*0.75*	*27.30*	00,00	00,00	+ 260	+5703	..	..	40	11*2*0	6.46

Des.	Cat. No.*	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
111. S Octantis. R. A. 17h 25m.9, Dec. −86° 46′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
b	22090	7.0	16 10 48.6	−87 19 53	14.02	19.38	*02*,03	02,*03*	−2384	−2653	. .	. .	75	*1*01*2*	6.86
c	24659	7.8	18 0 30.6	−86 16 8	*14.08*	*4.50*	03,*02*	00,00	+2646	+1622	. .	. .	38	00*1*0	7.61
d	23027	8.0	16 53 29.6	−87 15 36	4.55	15.48	00,00	02,*03*	− 689	−1955	. .	. .	48	*1*000	7.99
e	23025	8.2	16 53 21.4	−87 7 55	5.10	12.90	00,00	00,00	− 788	−1493	. .	. .	62	*1*011	8.47
f	−86° 349	9.3	17 20 0.	−86 34.9	*1.15*	1.25	00,00	00,00	+ 331	+ 592	. .	. .	55	*11*00	9.09
g	−86° 345	10.2	17 1 10.3	−86 54.180	3.70	8.20	00,00	00,00	− 537	− 652	. .	. .	38	*11*01	9.64
h	. . . .	. .	. . . . . .	. . . . . .	2.10	15.20	00,00	00,00	− 251	−1905	. .	. .	22	0001	10.02
k	. . . .	. .	. . . . . .	. . . . . .	0.75	2.95	00,00	00,00	− 9	+ 288	. .	. .	32	2*111*	10.24
l	. . . .	. .	. . . . . .	. . . . . .	*0.35*	6.72	00,00	03,*02*	+ 188	− 387	. .	. .	37	.0*1*0	10.56
m	. . . .	. .	. . . . . .	. . . . . .	*0.60*	3.30	00,00	00,00	+ 233	+ 226	. .	. .	23	.001	10.93
n	. . . .	. .	. . . . . .	. . . . . .	1.92	3.62	*02*,03	03,*02*	− 218	+ 168	. .	. .	30	.*1*01	11.16
o	. . . .	. .	. . . . . .	. . . . . .	1.25	3.38	00,00	02,*03*	− 98	+ 211	. .	. .	. .	. . . .	11.46
112. V Pavonis. R. A. 17h 34m.7, Dec. −57° 40′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	23935	7.0	17 32 31.9	−57 39 23	17.30	7.45	00,00	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	24055	7.3	17 36 57.3	−57 23 43	29.28	12.50	*03*,02	00,00	+2144	+ 904	. .	. .	42	0100	7.02
b	17h 1979	8.5	17 29 12.6	−56 47 52	8.30	24.68	00,00	02,*03*	−1611	+3084	. .	. .	40	*11*11	7.44
c	−57° 8635	8.8	17 26 17.6	−57 1.9	0.30	19.90	00,00	00,00	−3043	+2229	. .	. .	30	0000	7.84
d	17h 2069	9.0	17 30 25.7	−56 48 42	11.60	24.40	00,00	00,00	−1020	+3034	. .	. .	35	*11*00	8.14
e	−58° 7233	8.6	17 31 45.8	−58 0.9	15.20	0.32	00,00	*02*,03	− 376	−1276	. .	. .	25	1001	8.49
f	23955	7.4	17 33 19.4	−57 56 43	19.30	1.68	00,00	02,*03*	+ 358	−1033	. .	. .	30	0000	8.74
g	23918	7.5	17 32 8.6	−57 53 53	16.22	2.65	*02*,03	00,00	− 193	− 859	. .	. .	28	00*1*0	9.04
h	−57° 8710	8.8	17 35 8.9	−57 45.8	24.25	5.30	00,00	00,00	+1244	− 385	. .	. .	30	0000	9.32
k	−57° 8681	9.4	17 31 55.4	−57 35.8	15.68	8.65	02,*03*	00,00	− 290	+ 215	. .	. .	30	0000	9.62
l	−57° 8679	9.6	17 31 27.4	−57 36.4	14.40	8.45	00,00	00,00	− 519	+ 179	. .	. .	30	0000	9.92
m	−57° 8688	9.8	17 32 34.4	−57 35.9	17.40	8.65	00,00	00,00	+ 18	+ 215	. .	. .	25	0101	10.22
n	−57° 8693	10.1	17 33 26.4	−57 36.8	19.70	8.38	00,00	02,*03*	+ 430	+ 166	. .	. .	32	0100	10.47
o	. . . .	. .	. . . . . .	. . . . . .	16.25	7.75	00,00	00,00	− 188	+ 54	. .	. .	35	*1*0*1*0	10.79
p	. . . .	. .	. . . . . .	. . . . . .	16.35	7.80	00,00	00,00	− 170	+ 63	. .	. .	38	00*1*0	11.14
q	. . . .	. .	. . . . . .	. . . . . .	16.95	7.52	00,00	03,*02*	− 63	+ 13	. .	. .	. .	. . . .	11.52
113. RU Scorpii. R. A. 17h 35m.1, Dec. −43° 42′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	17 33 21.1	−43 41 4	5.05	7.00	00,00	00,00	0	0	. .	. .	. .	. . . .	. . . .
l	17h 2203	8.5	17 32 21.7	−44 23 10	8.50	21.10	00,00	00,00	− 618	−2524	*2.3*	*2*	. .	. . . .	. . . .
a	17h 2257	9.0	17 33 8.3	−43 36 32	5.82	5.52	03,*02*	*02*,03	− 138	+ 265	0.0	8	30	10*1*0	8.24
b	17h 2276	8.0	17 33 21.3	−43 30 17	5.12	3.38	*02*,03	*03*,02	− 13	+ 648	1.4	*1*	18	00*11*	8.54
c	17h 2356	9.5	17 34 28.3	−43 45 17	1.05	8.38	00,00	02,*03*	+ 716	− 247	1.0	*6*	38	*1*100	8.72
d	17h 2144	9.0	17 31 31.5	−43 34 52	11.72	5.02	03,*02*	03,*02*	−1194	+ 354	. .	. .	32	1000	9.10
e	17h 2179	8.5	17 32 6.0	−43 33 0	9.60	4.32	00,00	03,*02*	− 814	+ 480	. .	. .	47	11*21*	9.42
f	−43° 11946	9.8	17 33 37.2	−43 36.2	4.15	5.38	00,00	02,*03*	+ 161	+ 290	. .	. .	52	0100	9.89
g	−43° 11939	10.0	17 33 10.4	−43 30.6	5.72	3.52	03,*02*	*02*,03	− 120	+ 623	. .	. .	53	2001	10.41
h	−43° 11952	10.0	17 33 53.7	−43 39.8	3.75	7.22	00,00	03,*02*	+ 233	− 39	. .	. .	58	100*1*	10.94
k	. . . .	. .	. . . . . .	. . . . . .	5.25	7.58	00,00	*03*,02	− 36	− 104	. .	. .	35	10*11*	11.52

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
113. RU Scorpii. R. A. 17h 35m.1, Dec. −43° 42′ (continued).															
									″	″	s.	″			
l	.. ..	..	.. .. ..	.. .. ..	4.68	6.82	*03*,02	03,*02*	+ 66	+ 32	..	..	35	*22*10	11.87
m	.. ..	..	.. .. ..	.. .. ..	4.10	5.60	00,00	00,00	+ 170	+ 251	..	..	42	00.1	12.22
n	.. ..	..	.. .. ..	.. .. ..	5.42	6.50	*02*,03	00,00	− 66	+ 90	..	..	50	0*1*..	12.64
o	.. ..	..	.. .. ..	.. .. ..	5.40	6.88	00,00	02,*03*	− 63	+ 21	..	..	..	....	13.14
114. − Scorpii. R. A. 17h 35m.7, Dec. −35° 12′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−35°11829	9.9	17 34 1.0	−35 10.8	*0.85*	4.85	00,00	00,00	0	0	..	..	..	....	....
a	17h 2389	8.5	17 34 57.4	−35 7 36	2.90	6.02	00,00	03,*02*	+ 850	+ 209	..	..	35	0*1*0*1*	8.78
b	−35°11839	9.5	17 34 36.7	−35 14.1	1.50	3.90	00,00	00,00	+ 421	− 170	..	..	38	*1*000	9.13
c	23975	9.5	17 34 16.0	−35 15 15	0.10	3.42	00,00	03,*02*	+ 170	− 256	..	..	32	1000	9.51
d	−35°11843	9.7	17 34 43.4	−35 12.5	2.10	4.62	00,00	03,*02*	+ 528	− 41	..	..	40	0000	9.83
e	−35°11837	10.0	17 34 27.1	−35 8.8	0.90	5.65	00,00	00,00	+ 313	+ 143	..	..	40	0000	10.23
f	.. ..	..	.. .. ..	.. .. ..	*3.25*	4.55	00,00	00,00	− 430	− 54	..	..	30	0000	10.63
g	.. ..	..	.. .. ..	.. .. ..	*2.02*	4.20	02,*03*	00,00	− 209	− 116	..	..	30	0000	10.93
h	.. ..	..	.. .. ..	.. .. ..	*1.50*	4.70	00,00	00,00	− 116	− 27	..	..	32	0010	11.23
k	.. ..	..	.. .. ..	.. .. ..	*0.95*	5.20	00,00	00,00	− 18	+ 63	..	..	32	0010	11.55
l	.. ..	..	.. .. ..	.. .. ..	*1.18*	6.25	*02*,03	00,00	− 59	+ 251	..	..	28	*11*01	11.87
m	.. ..	..	.. .. ..	.. .. ..	*1.35*	4.20	00,00	00,00	− 90	− 116	..	..	45	0110	12.15
n	.. ..	..	.. .. ..	.. .. ..	*1.28*	4.00	03,*02*	00,00	− 77	− 152	..	..	25	0110	12.60
o	.. ..	..	.. .. ..	.. .. ..	*1.12*	4.52	02,*03*	*02*,03	− 48	− .59	..	..	..	....	12.85
115. SX Scorpii. R. A. 17h 40m.8, Dec. −35° 40′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	17h 2657	8.0	17 39 4.6	−35 39 2	5.58	4.20	*03*,02	00,00	0	0	..	..	..	....	....
a	24113	8.5	17 39 15.1	−35 45 25	6.28	1.95	*03*,02	00,00	+ 125	− 403	..	..	52	0010	8.79
b	−35°11948	9.8	17 40 42.5	−35 51.4	12.20	*0.12*	00,00	*03*,02	+ 1185	− 779	..	..	20	0000	9.31
c	−35°11917	9.7	17 38 35.4	−35 35.1	3.65	5.45	00,00	00,00	− 345	+ 224	..	..	25	0011	9.51
d	−35°11938	9.7	17 39 55.2	−35 39.4	8.98	3.80	*03*,02	00,00	+ 609	− 72	..	..	22	1000	9.76
e	−35°11932	9.9	17 39 36.2	−35 40.4	7.68	3.60	02,*03*	00,00	+ 376	− 107	..	..	30	0000	9.98
f	R	9.5	17 39 14.6	−35 35.1	6.30	5.40	00,00	00,00	+ 129	+ 215	..	..	18	0*1*00	10.28
g	−35°11918	10.0	17 38 39.7	−35 35.8	3.95	5.50	00,00	00,00	− 292	+ 233	..	..	28	0*1*00	10.46
h	R	9.6	17 40 11.0	−35 35.9	10.15	5.10	00,00	00,00	+ 818	+ 161	..	..	25	0101	10.74
k	.. ..	..	.. .. ..	.. .. ..	5.18	3.90	02,*03*	00,00	− 72	− 54	..	..	22	0010	10.99
l	.. ..	..	.. .. ..	.. .. ..	5.75	3.85	00,00	00,00	+ 30	− 63	..	..	30	100*1*	11.21
m	.. ..	..	.. .. ..	.. .. ..	6.70	3.52	00,00	*02*,03	+ 200	− 122	..	..	25	0011	11.51
n	.. ..	..	.. .. ..	.. .. ..	6.20	4.20	00,00	00,00	+ 111	0	..	..	..	....	11.76
116. W Pavonis. R. A. 17h 41m.1, Dec. −62° 22′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	17 38 45.8	−62 21 36	7.10	11.30	00,00	00,00	0	0	..	..	..	....	....
1	17h 2480	7.8	17 36 5.2	−61 58 37	0.80	18.90	00,00	00,00	− 1128	+ 1360	0.9	18	..	....	....
2	17h 2522	8.2	17 37 3.0	−62 5 40	3.12	16.60	*02*,03	00,00	− 712	+ 949	*0.8*	7	..	....	....
3	17h 2647	7.0	17 38 50.2	−61 52 43	7.25	21.00	00,00	00,00	+ 27	+ 1736	0.6	*3*	..	....	....

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
116. W Pavonis. R. A. 17^h 41^m.1, Dec. −62° 22′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
a	17^h 2623	8.0	17 38 27.0	−62 37 57	6.38	5.82	*03*,02	03,*02*	− 129	− 981	*0.4*	0	42	0100	7.52
b	24126	8.0	17 39 48.1	−62 35 30	9.50	6.72	00,00	*02*,03	+ 430	− 820	0.7	*13.9*	48	0*1*00	7.94
c	−62° 5694	8.8	17 36 45.4	−62 53.0	2.55	0.78	00,00	02,*03*	− 814	−1883	..	..	42	0100	8.42
d	17^h 2685	8.8	17 39 38.4	−62 22 47	9.20	10.90	00,00	00,00	+ 376	− 72	*1.3*	0	45	1001	8.84
e	17^h 2539	9.0	17 37 15.2	−62 10 1	3.55	15.22	00,00	*02*,03	− 635	+ 702	0.3	7	38	0*1*00	9.29
f	−62° 5698	9.3	17 37 5.3	−62 36.9	3.28	6.22	*03*,02	*02*,03	− 684	− 909	..	..	38	000*1*	9.67
g	−62° 5701	9.8	17 37 18.4	−62 16.6	3.75	12.95	00,00	00,00	− 600	+ 295	..	..	45	0110	10.05
h	.. ..	..	.. .. ..	.. .. ..	7.28	9.28	02,*03*	02,*03*	+ 32	− 362	..	..	38	*1*000	10.50
k	.. ..	..	.. .. ..	.. .. ..	5.95	10.50	00,00	00,00	− 206	− 143	..	..	38	000*1*	10.88
l	.. ..	..	.. .. ..	.. .. ..	5.55	10.95	00,00	00,00	− 277	− 63	..	..	50	0*1*01	11.26
m	.. ..	..	.. .. ..	.. .. ..	6.28	10.88	*03*,02	02,*03*	− 147	− 75	..	..	40	.000	11.76
n	.. ..	..	.. .. ..	.. .. ..	6.28	11.28	*03*,02	*03*,02	− 147	− 4	..	..	30	.000	12.16
o	.. ..	..	.. .. ..	.. .. ..	6.78	11.22	02,*03*	*02*,03	− 57	− 14	..	..	..	....	12.46
117. SV Scorpii. R. A. 17^h 41^m.6, Dec. −35° 40′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	R	9.5	17 39 56.0	−35 39.1	6.75	3.72	00,00	*02*,*02*	0	0	..	..	..	....	....
a	24113	8.5	17 39 15.1	−35 45 25	4.00	1.60	00,00	00,00	− 492	− 379	..	..	80	20*11*	8.53
b	−35°11948	9.8	17 40 42.5	−35 51.4	9.92	*0.47*	00,00	00,00	+ 567	− 750	..	..	18	*1*000	9.33
c	−35°11917	9.7	17 38 35.4	−35 35.1	1.30	5.12	00,00	*02*,03	− 976	+ 251	..	..	50	10*1*0	9.51
d	−35°11938	9.7	17 39 55.2	−35 39.4	6.65	3.60	00,00	00,00	− 18	− 21	..	..	10	*1*010	10.01
e	−35°11932	9.9	17 39 36.2	−35 40.4	5.35	3.35	00,00	00,00	− 251	− 66	..	..	22	0010	10.11
f	R	9.5	17 39 14.6	−35 35.1	3.88	5.20	*03*,02	00,00	− 514	+ 265	..	..	00	0000	10.33
g	−35°11918	10.0	17 38 39.7	−35 35.8	1.55	5.20	00,00	00,00	− 931	+ 265	..	..	48	1*11*0	10.33
h	R	9.6	17 40 11.0	−35 35.9	7.75	4.80	00,00	00,00	+ 179	+ 193	..	..	30	*1*001	10.81
k	.. ..	..	.. .. ..	.. .. ..	2.75	3.55	00,00	00,00	− 716	− 30	..	..	20	0000	11.11
l	.. ..	..	.. .. ..	.. .. ..	3.42	3.60	*02*,03	00,00	− 596	− 21	..	..	20	0000	11.31
m	.. ..	..	.. .. ..	.. .. ..	4.38	3.30	*03*,02	00,00	− 424	− 75	..	..	20	0000	11.51
n	.. ..	..	.. .. ..	.. .. ..	3.75	3.80	00,00	00,00	− 537	+ 14	..	..	22	0001	11.71
o	.. ..	..	.. .. ..	.. .. ..	7.05	4.30	00,00	00,00	+ 54	+ 104	..	..	38	0*1*00	11.93
p	.. ..	..	.. .. ..	.. .. ..	6.68	3.15	02,*03*	00,00	− 13	− 102	..	..	18	*1*01*1*	*12.31*
q	.. ..	..	.. .. ..	.. .. ..	6.95	3.55	00,00	00,00	+ 36	− 30	..	..	33	001.	*12.49*
r	.. ..	..	.. .. ..	.. .. ..	6.52	3.72	*02*,03	03,*02*	− 41	0	..	..	..	....	*12.82*
118. RS Ophiuchi. R. A. 17^h 44^m.8, Dec. −6° 40.′															
			h. m. s.	° ′					″	″	s.	″			
V	−6° 4661	9.5	17 42 25.2	− 6 39.1	9.32	6.55	*02*,*02*	00,00	0	0	..	..	..	....	....
a	−6° 4667	8.2	17 43 47.8	− 6 48.9	16.25	3.40	00,00	00,00	+1240	− 564	..	..	45	1100	8.09
b	−6° 4664	8.8	17 43 10.7	− 6 51.2	13.25	2.75	00,00	00,00	+ 703	− 680	..	..	10	*1*001	8.54
c	−6° 4666	9.1	17 43 35.7	− 6 50.8	15.25	2.95	00,00	00,00	+1061	− 644	..	..	42	0100	8.64
d	−6° 4660	9.0	17 42 24.6	− 6 44.6	9.32	4.82	*02*,03	*02*,03	0	− 310	..	..	42	12*11*	9.06
e	−6° 4655	9.6	17 40 54.2	− 6 38.3	1.72	6.95	03,*02*	00,00	−1360	+ 72	..	..	35	*111*1	9.48
f	−6° 4662	9.6	17 42 46.5	− 6 17.5	11.05	14.18	00,00	02,*03*	+ 310	+1366	..	..	35	0*11*0	9.83
g	.. ..	..	.. .. ..	.. .. ..	12.40	14.70	00,00	00,00	+ 551	+1459	..	..	20	0000	10.18
h	−6° 4657	9.7	17 41 31.5	− 6 37.3	4.80	7.30	00,00	00,00	− 809	+ 134	..	..	10	01*1*0	10.33

118. RS Ophiuchi. R. A. 17h 44m.8, Dec. −6° 40′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
k	.. ..	..	.. .. ..	.. .. ..	7.20	5.70	00,00	00,00	− 379	− 152	. .	..	12	*1*011	10.48
l	.. ..	..	.. .. ..	.. .. ..	9.25	10.20	00,00	00,00	− 13	+ 653	. .	..	42	1*1*10	10.60
m	.. ..	..	.. .. ..	.. .. ..	10.85	7.60	00,00	00,00	+ 274	+ 188	. .	..	20	0000	11.02
n	.. ..	..	.. .. ..	.. .. ..	11.08	1.00	*03*,02	00,00	+ 315	− 993	. .	..	20	0*1*10	11.22
o	.. ..	..	.. .. ..	.. .. ..	7.50	7.62	00,00	*02*,03	− 326	+ 192	. .	..	..	....	11.42

119. U Arae. R. A. 17h 45m.7, Dec. −51° 40′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	−51°11224	9.8	17 43 41.7	−51 38.5	2.52	6.22	*02*,03	*02*,03	0	0	. .	..	..	....	....
a	24205	7.5	17 42 22.8	−51 40 35	*1.55*	5.62	00,00	*02*,03	− 729	− 107	. .	..	35	*1*0*1*0	7.48
b	17h 2880	8.5	17 42 40.2	−52 26 33	*0.08*	*9.70*	*02*,03	00,00	− 465	−2850	. .	..	55	*11*00	7.83
c	−51°11222	9.3	17 43 35.4	−51 42.8	2.20	5.10	00,00	00,00	− 57	− 200	. .	..	38	0*1*00	8.38
d	−51°11173	9.5	17 40 41.1	−51 59.7	*6.55*	*1.02*	00,00	*03*,02	−1624	−1296	. .	..	40	01*1*0	8.76
e	17h 3103	9.0	17 45 52.3	−52 0 54	9.42	*0.90*	*02*,03	00,00	+1235	−1274	. .	..	35	*11*00	9.16
f	17h 3041	9.0	17 44 55.2	−51 29 18	6.25	9.62	00,00	*02*,03	+ 668	+ 609	. .	..	30	0000	9.51
g	−51°11225	9.8	17 43 43.9	−51 31.0	2.55	9.00	00,00	00,00	+ 5	+ 498	. .	..	38	00*1*0	9.81
h	−51°11215	10.0	17 43 20.0	−51 45.5	1.48	4.12	02,*03*	03,*02*	− 186	− 376	. .	..	30	0000	10.19
k	−51°11208	10.0	17 42 45.3	−51 46.1	*0.25*	3.72	00,00	03,*02*	− 496	− 448	. .	..	42	0001	10.49
l	−51°11214	10.0	17 43 9.7	−51 43.9	0.98	4.58	02,*03*	*03*,02	− 276	− 294	. .	..	40	0000	10.91
m	−51°11232	10.0	17 44 22.7	−51 36.7	4.62	7.50	03,*02*	00,00	+ 376	+ 229	. .	..	40	00*11*	11.31
n	.. ..	..	.. .. ..	.. .. ..	2.20	5.80	00,00	00,00	− 57	− 75	. .	..	68	0*1*00	11.71
o	.. ..	..	.. .. ..	.. .. ..	2.35	6.82	00,00	*02*,03	− 30	+ 107	. .	..	32	0100	12.39
p	.. ..	..	.. .. ..	.. .. ..	2.55	6.02	00,00	03,*02*	+ 5	− 36	. .	..	..	....	12.71

120. V Arae. R. A. 17h 47m.3, Dec. −48° 17′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	−48°12145	9.9	17 45 23.1	−48 16.3	5.15	6.65	00,00	00,00	0	0	. .	..	..	....	....
a	17h 3016	8.5	17 44 32.8	−48 18 29	8.10	7.32	00,00	03,*02*	− 528	− 120	. .	..	42	10*1*1	8.06
b	−48°12147	9.4	17 45 38.2	−48 7.8	4.55	3.60	00,00	00,00	+ 107	+ 546	. .	..	80	*1*100	8.48
c	17h 3162	9.0	17 46 46.3	−48 11 55	0.70	4.80	00,00	00,00	+ 797	+ 331	. .	..	22	0100	9.28
d	17h 3084	9.0	17 45 36.0	−48 27 6	4.45	10.10	00,00	00,00	+ 125	− 618	. .	..	02	1000	9.50
e	17h 3046	9.5	17 44 59.2	−48 12 1	6.70	5.15	00,00	00,00	− 277	+ 268	. .	..	25	0020	9.52
f	−48°12161	10.0	17 46 49.8	−48 13.0	0.45	4.95	00,00	00,00	+ 841	+ 304	. .	..	30	0*1*10	9.77
g	−48°12142	10.0	17 45 19.4	−48 11.0	5.50	4.60	00,00	00,00	− 63	+ 367	. .	..	18	0*1*00	10.07
h	−48°12159	9.9	17 46 41.6	−48 15.6	0.82	6.25	*02*,03	00,00	+ 775	+ 72	. .	..	35	*2*01*1*	10.25
k	.. ..	..	.. .. ..	.. .. ..	5.90	5.70	00,00	00,00	− 134	+ 170	. .	..	30	010*1*	10.60
l	−48°12144	10.0	17 45 23.0	−48 15.0	5.20	6.12	00,00	*02*,03	− 9	+ 95	. .	..	20	001*1*	10.90
m	.. ..	..	.. .. ..	.. .. ..	7.68	5.78	*03*,02	02,*03*	− 453	+ 156	. .	..	20	0000	11.10
n	.. ..	..	.. .. ..	.. .. ..	7.72	5.12	*02*,03	*02*,03	− 460	+ 274	. .	..	25	0110	11.30
o	.. ..	..	.. .. ..	.. .. ..	4.45	6.40	00,00	00,00	+ 125	+ 45	. .	..	22	0001	11.55
p	.. ..	..	.. .. ..	.. .. ..	4.75	6.35	00,00	00,00	+ 72	+ 54	. .	..	28	*1121*	11.77
q	.. ..	..	.. .. ..	.. .. ..	6.18	7.65	*03*,02	00,00	− 184	− 179	. .	..	10	0.00	12.05
r	.. ..	..	.. .. ..	.. .. ..	7.28	6.28	*03*,02	*03*,02	− 381	+ 66	. .	..	10	..00	12.15
s	.. ..	..	.. .. ..	.. .. ..	6.90	6.48	00,00	02,*03*	− 318	+ 30	. .	..	..	....	12.25

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
121. W ARAE. R. A. 17^h 49^m.2, Dec. −49° 47′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−49°11810	9.9	17 47 19.1	−49 46.4	6.35	8.49	00,00	01,01	0	0	. .	. .	. .	. . . .	. . . .
a	17^h 3226	9.5	17 47 37.3	−50 11 37	7.40	0.20	00,00	00,00	+ 188	−1484	. .	. .	28	*11*01	8.08
b	−50°11614	9.0	17 44 0.4	−50 0.3	*4.25*	3.80	00,00	00,00	−1897	− 840	. .	. .	55	1*111*	8.36
c	−49°11761	9.8	17 43 3.0	−49 41.7	*7.52*	9.75	*03*,02	00,00	−2483	+ 226	. .	. .	35	*1*00*1*	8.91
d	−49°11804	10.0	17 46 53.6	−49 56.6	5.15	5.20	00,00	00,00	− 215	− 589	. .	. .	15	0*11*0	9.26
e	−49°11816	9.6	17 48 3.6	−49 55.6	8.82	5.62	*02*,03	*02*,03	+ 442	− 514	. .	. .	30	10*1*0	9.41
f	−49°11791	9.8	17 45 40.9	−49 32.4	1.10	13.25	00,00	00,00	− 940	+ 852	. .	. .	52	1000	9.71
g	−49°11801	9.8	17 46 31.4	−49 37.7	3.90	11.52	00,00	03,*02*	− 439	+ 542	. .	. .	15	0*11*0	10.23
h	−49°11806	10.0	17 47 0.4	−49 44.8	5.35	9.20	00,00	00,00	− 179	+ 127	. .	. .	22	1000	10.38
k	−49°11811	9.6	17 47 37.2	−49 41.8	7.40	10.10	00,00	00,00	+ 188	+ 288	. .	. .	18	000*1*	10.60
l	−49°11802	9.8	17 46 36.4	−49 44.0	4.25	9.30	00,00	00,00	− 376	+ 145	. .	. .	15	00*11*	10.78
m	−49°11809	10.0	17 47 16.2	−49 41.8	6.22	10.15	03,*02*	00,00	− 23	+ 297	. .	. .	25	1100	10.93
n	R	. .	. . . . . .	. . . . . .	9.80	10.68	00,00	*03*,02	+ 618	+ 392	. .	. .	22	0100	11.18
o	. . . .	. .	. . . . . .	. . . . . .	6.20	8.82	00,00	*02*,03	− 27	+ 59	. .	. .	22	0100	11.40
p	. . . .	. .	. . . . . .	. . . . . .	5.90	7.70	00,00	00,00	− 81	− 141	. .	. .	20	*11*11	11.62
q	. . . .	. .	. . . . . .	. . . . . .	6.90	8.95	00,00	00,00	+ 98	+ 82	. .	. .	. .	. . . .	11.82
122. W CORONAE AUSTRALIS. R. A. 17^h 58^m.2, Dec. −39° 20′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−39°12196	9.0	17 56 30.3	−39 20.4	6.36	10.31	*01,01*	*01,01*	0	0	. .	. .	. .	. . . .	. . . .
a	24535	8.2	17 55 35.9	−39 22 49	2.85	9.40	00,00	00,00	− 628	− 168	. .	. .	38	*11*01	7.76
b	−39°12219	8.7	17 57 46.9	−39 2.6	11.18	16.70	*03*,02	00,00	+ 863	+1144	. .	. .	35	1*111*	8.14
c	−39°12183	9.5	17 56 7.6	−39 47.2	5.30	1.40	00,00	00,00	− 190	−1595	. .	. .	30	010*1*	8.49
d	24517	8.0	17 54 57.5	−39 24 9	0.38	8.80	02,*03*	00,00	−1070	− 270	. .	. .	25	1100	8.79
e	17^h 3820	9.0	17 56 31.5	−39 1 14	6.20	16.75	00,00	00,00	− 29	+1153	. .	. .	20	001*1*	9.04
f	−39°12182	9.5	17 56 2.9	−39 4.5	4.35	15.72	00,00	*02*,03	− 360	+ 968	. .	. .	38	1*11*0	9.24
g	−39°12210	9.7	17 57 8.5	−39 21.2	9.05	10.05	00,00	00,00	+ 482	− 47	. .	. .	35	0*1*0*1*	9.62
h	−39°12204	10.0	17 56 50.4	−39 15.1	7.68	12.25	*03*,02	00,00	+ 236	+ 347	. .	. .	20	*1111*	9.97
k	R	10.0	17 56 16.5	−39 18.8	5.40	10.85	00,00	00,00	− 172	+ 97	. .	. .	35	*1*00*1*	10.17
l	R	10.2	17 56 45.5	−39 22.9	7.38	9.60	*03*,02	00,00	+ 183	− 127	. .	. .	30	*2*1*0**1*	10.52
m	. . . .	. .	. . . . . .	. . . . . .	9.15	9.55	00,00	00,00	+ 499	− 136	. .	. .	35	*1*0*1*0	10.82
n	. . . .	. .	. . . . . .	. . . . . .	7.05	9.30	00,00	00,00	+ 124	− 181	. .	. .	18	*11*10	11.17
o	. . . .	. .	. . . . . .	. . . . . .	9.25	9.25	00,00	00,00	+ 517	− 190	. .	. .	. .	. . . .	11.35
123. X CORONAE AUSTRALIS. R. A. 18^h 2^m.6, Dec. −45° 26′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	18 0 45.5	−45 25 50	6.94	10.76	01,01	*01,01*	0	0	. .	. .	. .	. . . .	. . . .
a	24671	7.8	18 0 49.1	−45 55 12	7.15	0.95	00,00	00,00	+ 38	−1756	0.0	*6*	35	00*11*	7.29
b	24650	7.5	18 0 10.5	−45 56 53	4.80	0.32	00,00	03,*02*	− 383	−1869	. .	. .	58	*1*1*12*	7.64
c	24663	7.0	18 0 37.5	−44 57 38	6.45	20.25	00,00	00,00	− 88	+1699	0.3	*6*	48	01*11*	8.22
d	17^h 4067	9.0	17 59 46.8	−45 7 46	3.50	16.75	00,00	00,00	− 616	+1072	*0.3*	12	55	0*1*0*1*	8.70
e	17^h 4023	9.5	17 59 6.0	−45 9 7	1.10	16.35	00,00	00,00	−1045	+1001	. .	. .	05	11*1*1	9.25
f	−45°12210	9.9	17 59 2.6	−45 27.0	0.85	10.38	00,00	02,*03*	−1090	− 68	. .	. .	28	*11*10	9.30
g	−45°12230	9.7	18 0 4.7	−45 19.0	4.50	13.15	00,00	00,00	− 437	+ 428	. .	. .	10	0*2*11	9.58
h	−45°12228	9.7	17 59 44.9	−45 46.0	3.35	4.15	00,00	00,00	− 643	−1183	. .	. .	48	00*2*1	9.68

123. X Coronae Australis. R. A. 18^h $2^m.6$, Dec. −45° 26′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
k	−45° 12236	10.0	18 0 39.9	−45 19.6	6.58	12.78	*03*,02	02,*03*	− 64	+ 362	..	..	45	022*2*	10.16
l	−45° 12248	10.0	18 1 48.7	−45 20.0	10.62	12.68	*02*,03	02,*03*	+ 659	+ 344	..	..	28	0*1*00	10.61
m	−45° 12241	9.6	18 1 0.5	−45 27.9	7.82	10.08	03,*02*	02,*03*	+ 158	− 122	..	..	20	0000	10.89
n	−45° 12242	10.0	18 1 12.3	−45 27.6	8.52	10.18	03,*02*	02,*03*	+ 283	− 104	..	..	32	0100	11.09
o	.. ..	..	.. .. ..	.. .. ..	10.20	11.95	00,00	00,00	+ 584	+ 213	..	..	28	0*1*1*1*	11.41
p	.. ..	..	.. .. ..	.. .. ..	7.12	9.70	03,*02*	00,00	+ 32	− 190	..	..	28	*1*10*1*	11.69
q	.. ..	..	.. .. ..	.. .. ..	6.25	11.30	00,00	00,00	− 124	+ 97	..	..	20	0000	11.97
r	.. ..	..	.. .. ..	.. .. ..	7.25	11.45	00,00	00,00	+ 55	+ 124	..	..	22	1000	12.17
s	.. ..	..	.. .. ..	.. .. ..	7.15	10.65	00,00	00,00	+ 38	− 20	..	..	28	01*11*	12.39
t	.. ..	..	.. .. ..	.. .. ..	6.60	10.68	00,00	*03*,02	− 61	− 14	..	..	..	....	12.67

124. R Pavonis. R. A. 18^h $3^m.3$, Dec. −63° 38′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″					
V	24674	8.0	18 0 52.4	−63 38 15	4.25	9.70	00,00	00,00	0	0	..	..	..	....	....
a	24714	6.9	18 2 14.9	−63 42 46	7.30	8.30	00,00	00,00	+ 546	− 251	..	..	52	0001	7.08
b	24647	7.5	18 0 7.2	−64 0 21	2.70	2.32	00,00	03,*02*	− 277	−1321	..	..	72	0010	7.60
c	−63° 4322	9.0	18 0 48.9	−63 42.3	4.20	8.35	00,00	00,00	− 9	− 242	..	..	22	1*1*10	8.32
d	−63° 4325	9.1	18 0 57.4	−63 21.8	4.30	15.25	00,00	00,00	+ 9	+ 993	..	..	78	*11*10	8.54
e	18^h 20	9.2	18 0 18.9	−63 32 20	2.90	11.65	00,00	00,00	− 242	+ 349	..	..	30	0000	9.32
f	−63° 4324	10.0	18 0 55.9	−63 34.1	4.30	11.15	00,00	00,00	+ 9	+ 260	..	..	30	0000	9.62
g	−63° 4327	10.2	18 1 17.9	−63 41.8	5.22	8.52	03,*02*	*02*,03	+ 174	− 211	..	..	50	100*1*	9.92
h	.. ..	..	.. .. ..	.. .. ..	5.40	8.65	00,00	00,00	+ 206	− 188	..	..	38	*1*10*1*	10.42
k	.. ..	..	.. .. ..	.. .. ..	5.20	8.80	00,00	00,00	+ 170	− 161	..	..	25	0110	10.80
l	.. ..	..	.. .. ..	.. .. ..	4.82	9.35	*02*,03	00,00	+ 102	− 63	..	..	02	0010	11.05
m	.. ..	..	.. .. ..	.. .. ..	3.82	9.98	*02*,03	*03*,02	− 77	+ 50	..	..	25	1010	11.07
n	.. ..	..	.. .. ..	.. .. ..	4.38	9.98	02,*03*	*03*,02	+ 23	+ 50	..	..	30	0..0	11.32
o	.. ..	..	.. .. ..	.. .. ..	4.00	9.78	00,00	02,*03*	− 45	+ 14	..	..	..	....	11.62

125. Y Coronae Australis. R. A. 18^h $7^m.2$, Dec. −42° 53′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	18 5 24.5	−42 52 31	4.78	12.20	02,02	00,00	0	0	..	..	..	....	....
1	24783	8.5	18 5 18.7	−43 10 56	5.02	18.38	*02*,03	*03*,02	− 43	−1106	0.2	*4*	..	....	....
a	18^h 268	9.5	18 4 0.7	−42 25 10	10.15	3.25	00,00	00,00	− 961	+1602	0.4	3	50	2*1*10	8.56
b	18^h 414	9.5	18 6 1.5	−42 48 5	2.52	10.68	*02*,03	*03*,02	+ 405	+ 272	*0.2*	6	42	*1*011	9.06
c	18^h 225	9	18 3 18.2	−43 2 38	12.40	15.70	00,00	00,00	−1364	− 626	..	..	22	0100	9.48
d	−42° 12990	9.8	18 3 30.3	−42 57.0	11.70	13.75	00,00	00,00	−1239	− 277	..	..	82	0010	9.70
e	18^h 318	9.5	18 4 38.6	−42 17 4	7.80	0.40	00,00	00,00	− 541	+2112	*0.8*	*4*	22	0100	10.52
f	−42° 13018	10	18 4 59.6	−42 28.8	6.35	4.40	00,00	00,00	− 281	+1396	..	..	28	1*1*10	10.74
g	−42° 13025	10	18 5 37.2	−42 50.8	4.00	11.65	00,00	00,00	+ 140	+ 98	..	..	25	111*1*	11.02
h	−42° 13028	10	18 5 52.6	−42 55.6	3.08	13.05	*03*,02	00,00	+ 304	− 152	..	..	38	00*1*0	11.27
k	.. ..	..	.. .. ..	.. .. ..	2.75	10.28	00,00	02,*03*	+ 363	+ 344	..	..	22	0001	11.65
l	.. ..	..	.. .. ..	.. .. ..	1.85	11.82	00,00	03,*02*	+ 524	+ 68	..	..	18	0*1*00	11.87
m	−42° 13020	10	18 5 6.2	−42 57.9	5.75	14.20	00,00	00,00	− 174	− 358	..	..	32	*1*101	12.05
n	.. ..	..	.. .. ..	.. .. ..	2.08	11.75	02,*03*	00,00	+ 483	+ 81	..	..	28	000*1*	12.37
o	.. ..	..	.. .. ..	.. .. ..	4.62	11.15	*02*,03	00,00	+ 29	+ 188	..	..	22	1000	12.65

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
125. Y CORONAE AUSTRALIS. R. A. 18^h 7^m.2, Dec. −42° 53′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
p	.. ..	..	.. .. ..	.. .. ..	4.70	12.35	00,00	00,00	+ 14	− 27	..	..	20	0000	12.87
q	.. ..	..	.. .. ..	.. .. ..	5.00	12.60	00,00	00,00	− 39	− 72	..	..	..	....	13.07
126. − SERPENTIS. R. A. 18^h 13^m.6, Dec. −15° 39′.															
			h. m. s.	° ′					″	″	s.	″			
V	−15° 4923	9.0	18 11 2.5	−15 39.8	7.06	6.80	*01,01*	00,00	0	0	..	..	..	....	....
a	−15° 4916	9.2	18 10 7.9	−15 29.5	2.52	10.25	03,*02*	00,00	− 813	+ 618	..	..	28	0*1*00	8.80
b	−15° 4921	9.1	18 10 42.1	−15 31.7	5.28	9.62	02,*03*	*02*,03	− 319	+ 505	..	..	48	00*1*0	9.08
c	−15° 4928	9.5	18 11 53.7	−15 43.1	11.20	5.80	00,00	00,00	+ 741	− 179	..	..	30	0000	9.56
d	−15° 4925	9.5	18 11 14.9	−15 38.6	8.05	7.35	00,00	00,00	+ 177	+ 98	..	..	30	1*1*00	9.86
e	.. ..	..	.. .. ..	.. .. ..	7.32	6.42	*02*,03	03,*02*	+ 47	− 68	..	..	R	....	*10.12*
f	.. ..	..	.. .. ..	.. .. ..	5.50	3.20	00,00	00,00	− 279	− 644	..	..	12	*1*110	10.16
g	.. ..	..	.. .. ..	.. .. ..	6.78	6.30	*03*,02	00,00	− 50	− 90	..	..	30	01*1*0	10.28
h	.. ..	..	.. .. ..	.. .. ..	6.90	5.28	00,00	02,*03*	− 29	− 272	..	..	40	10*1*0	10.58
k	.. ..	..	.. .. ..	.. .. ..	9.20	5.75	00,00	00,00	+ 383	− 188	..	..	32	110*1*	10.98
l	.. ..	..	.. .. ..	.. .. ..	9.15	7.05	00,00	00,00	+ 374	+ 45	..	..	25	0020	11.30
m	.. ..	..	.. .. ..	.. .. ..	7.80	7.42	00,00	03,*02*	+ 132	+ 111	..	..	..	....	11.55
127. T TELESCOPII. R. A. 18^h 19^m.0, Dec. −49° 42′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	18 17 7.4	−49 43.3	6.44	6.66	01,01	*01,01*	0	0	..	..	..	....	....
a	25080	8.8	18 16 45.2	−49 38 4	7.60	4.82	00,00	*02*,03	− 208	+ 329	*0.8*	*12*	28	0*1*00	8.12
b	−49° 12145	8.4	18 18 36.4	−49 30.0	1.62	2.20	*02*,03	00,00	+ 863	+ 798	..	..	20	0000	8.40
c	−49° 12115	8.1	18 16 0.2	−49 46.2	10.10	7.60	00,00	00,00	− 655	− 168	0.3	0	38	01*11*	8.60
d	−50° 11951	9.4	18 19 17.8	−50 8.2	*0.65*	14.80	00,00	00,00	+1269	−1457	..	..	28	10*11*	8.98
e	−49° 12141	10.0	18 18 10.2	−49 54.6	3.10	10.35	00,00	00,00	+ 598	− 661	1.0	0	48	*2*001	9.26
f	−49° 12135	10.0	18 17 49.9	−49 28.8	4.12	1.65	*02*,03	00,00	+ 415	+ 897	..	..	42	0100	9.74
g	−49° 12139	10.0	18 18 5.7	−49 50.6	3.25	9.05	00,00	00,00	+ 571	− 428	0.3	0	25	1010	10.14
h	−49° 12137	10.0	18 17 59.9	−49 32.3	3.55	3.00	00,00	00,00	+ 517	+ 655	..	..	30	*1*001	10.41
k	−49° 12117	10.0	18 16 8.9	−49 43.1	9.50	6.60	00,00	00,00	− 548	+ 11	*0.6*	0	50	100*1*	10.71
l	.. ..	..	.. .. ..	.. .. ..	6.75	6.65	00,00	00,00	− 55	+ 2	..	..	28	00*1*0	11.21
m	.. ..	..	.. .. ..	.. .. ..	7.22	9.18	*02*,03	*03*,02	− 140	− 451	..	..	22	0010	11.49
n	.. ..	..	.. .. ..	.. .. ..	6.35	6.68	00,00	*03*,02	+ 16	− 4	..	..	20	0000	11.71
o	.. ..	..	.. .. ..	.. .. ..	6.75	7.15	00,00	00,00	− 55	− 88	..	..	28	*1*000	11.91
p	.. ..	..	.. .. ..	.. .. ..	5.25	9.15	00,00	00,00	+ 213	− 446	..	..	22	0010	12.19
q	.. ..	..	.. .. ..	.. .. ..	6.55	6.62	00,00	03,*02*	− 20	+ 7	..	..	15	00*11*	*12.41*
r	.. ..	..	.. .. ..	.. .. ..	5.95	7.35	00,00	00,00	+ 88	− 124	..	..	10	0.0.	*12.56*
s	.. ..	..	.. .. ..	.. .. ..	5.95	6.48	00,00	*03*,02	+ 88	+ 32	..	..	..	....	*12.66*
128. RV SAGITTARII. R. A. 18^h 21^m.4, Dec. −33° 23′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−33° 13234	9.2	18 19 42.6	−33 23.6	1.50	8.60	00,00	00,00	0	0	..	..	..	....	....
a	−33° 13272	8.5	18 22 2.2	−33 11.7	*3.20*	4.25	00,00	00,00	+1736	+ 779	..	..	42	10*1*1	7.12
b	25141	7.0	18 19 17.6	−33 28 54	3.20	10.30	00,00	00,00	− 304	− 304	..	..	25	0110	7.54

128. RV SAGITTARII. R. A. 18^h 21^m.4, Dec. −33° 23′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
c	−33°13239	8.5	18 19 57.9	−33 25.1	0.30	9.02	00,00	03,*02*	+ 215	− 75	..	..	38	00*10*	7.79
d	18^h 1167	9.0	18 18 32.3	−32 58 46	6.70	0.30	00,00	00,00	− 931	+1486	..	..	42	1000	8.17
e	−33°13258	9.3	18 21 19.4	−33 23.4	*5.28*	8.30	*02*,03	00,00	+1214	+ 54	..	..	38	*1*000	8.59
f	−33°13252	9.0	18 20 45.1	−33 37.1	*2.98*	12.82	03,*02*	03,*02*	+ 802	− 755	..	..	22	0001	8.97
g	−33°13249	8.3	18 20 35.8	−33 33.4	*2.30*	11.75	00,00	00,00	+ 680	− 564	..	..	30	0000	9.19
h	−33°13236	9.5	18 19 50.0	−33 20.4	0.82	7.58	03,*02*	*03*,02	+ 122	+ 183	..	..	35	0*1*0*1*	9.49
k	−33°13247	9.7	18 20 27.0	−33 18.6	*1.70*	6.80	00,00	00,00	+ 573	+ 322	..	..	45	0002	9.84
l	−33°13224	10.0	18 19 15.9	−33 22.7	3.20	8.38	00,00	02,*03*	− 304	+ 39	..	..	25	0002	10.24
m	−33°13231	10.0	18 19 39.1	−33 25.0	1.58	9.18	*03*,02	02,*03*	− 14	− 104	..	..	42	0100	10.54
n	−33°13244	9.9	18 20 16.7	−33 16.4	*0.92*	6.05	02,*03*	00,00	+ 433	+ 456	..	..	30	0000	10.96
o	.. ..	..	.. .. ..	.. .. ..	2.75	9.25	00,00	00,00	− 224	− 116	..	..	42	1000	11.26
p	.. ..	..	.. .. ..	.. .. ..	1.70	7.58	00,00	*03*,02	− 36	+ 183	..	..	30	.000	11.68
q	.. ..	..	.. .. ..	.. .. ..	2.32	8.48	03,*02*	*03*,02	− 147	+ 21	..	..	37	.00*1*	11.98
r	.. ..	..	.. .. ..	.. .. ..	2.48	8.52	02,*03*	*02*,03	− 175	+ 14	..	..	..	....	12.35

129. −CORONAE AUSTRALIS. R. A. 18^h 23^m.7, Dec. −45° 2′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	18 21 55.5	−45 3 4	4.66	5.34	*01*,04	*04*,01	0	0	..	..	..	....	....
a	−45°12536	9.8	18 21 15.7	−45 0.9	2.30	6.18	00,00	02,*03*	− 422	+ 150	0.3	*12*	30	0000	9.53
b	−45°12564	10.0	18 23 48.2	−45 14.2	11.30	1.48	00,00	*03*,02	+1189	− 691	..	..	28	0*1*00	9.83
c	18^h 1437	9.5	18 23 7.2	−45 6 21	8.90	4.15	00,00	00,00	+ 759	− 213	*0.6*	*2*	20	0000	10.11
d	−45°12557	10.0	18 22 47.8	−45 10.0	7.75	3.10	00,00	00,00	+ 553	− 401	0.1	*4*	10	0*1*01	10.31
e	−44°12653	10.0	18 21 33.0	−44 48.3	3.40	10.25	00,00	00,00	− 226	+ 879	*0.2*	8	20	0000	10.41
f	−45°12543	10.0	18 21 50.0	−45 4.8	4.35	4.68	00,00	*03*,02	− 55	− 118	0.3	11	22	0001	10.61
g	−44°12675	10.0	18 23 1.5	−44 54.3	8.65	8.22	00,00	*02*,03	+ 714	+ 516	..	..	28	0*1*00	10.83
h	−44°12645	10.0	18 20 58.2	−44 55.7	1.40	7.75	00,00	00,00	− 584	+ 431	..	..	20	0000	11.11
k	−45°12532	10.0	18 20 58.1	−45 1.1	1.40	6.08	00,00	02,*03*	− 584	+ 132	..	..	30	*1*100	11.31
l	.. ..	..	.. .. ..	.. .. ..	3.62	4.58	*02*,03	*03*,02	− 186	− 136	..	..	22	0100	11.61
m	.. ..	..	.. .. ..	.. .. ..	4.00	5.60	00,00	00,00	− 118	+ 47	..	..	25	1010	11.83
n	.. ..	..	.. .. ..	.. .. ..	5.82	6.30	*02*,03	00,00	+ 208	+ 172	..	..	23	010.	12.08
o	.. ..	..	.. .. ..	.. .. ..	4.18	6.18	02,*03*	02,*03*	− 86	+ 150	..	..	20	000.	12.31
p	.. ..	..	.. .. ..	.. .. ..	4.55	5.35	00,00	00,00	− 20	+ 2	..	..	18	001.	*12.51*
q	.. ..	..	.. .. ..	.. .. ..	4.32	5.70	*02*,03	00,00	− 61	+ 64	..	..	..	....	*12.64*

130. SS SAGITTARII. R. A. 18^h 24^m.6, Dec. −16° 59.′

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	−16° 4904	9.8	18 22 2.1	−16 59.5	4.75	4.80	00,00	00,00	0	0	..	..	..	....	....
a	−16° 4907	8.5	18 22 35.3	−16 40.1	7.40	11.35	00,00	00,00	+ 474	+1172	..	..	42	*1*110	7.58
b	−17° 5207	8.7	18 20 8.8	−17 3.5	*4.25*	8.30	00,00	00,00	−1611	− 268	..	..	32	12*11*	8.00
c	−16° 4900	8.3	18 21 14.4	−16 43.7	0.95	10.08	00,00	02,*03*	− 680	+ 945	..	..	55	0*1*0*1*	8.32
d	−16° 4902	9.0	18 21 25.1	−16 48.1	1.98	8.55	*03*,02	00,00	− 496	+ 671	..	..	38	00*10*	8.87
e	−17° 5225	9.1	18 23 20.5	−17 3.5	11.12	3.60	*02*,03	00,00	+1140	− 215	..	..	40	*1*100	9.25
f	−17° 5222	9.4	18 22 53.9	−17 8.4	8.85	1.78	00,00	*03*,02	+ 734	− 541	..	..	40	1*1*00	9.65
g	.. ..	..	.. .. ..	.. .. ..	4.28	5.60	*03*,02	00,00	− 84	+ 143	..	..	40	100*1*	10.05
h	.. ..	..	.. .. ..	.. .. ..	3.30	6.72	00,00	*02*,03	− 260	+ 344	..	..	28	0*1*00	10.45

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
130. SS SAGITTARII. R. A. 18^h 24^m.6, Dec. −16° 58′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
k	.. ..	..	.. .. ..	.. .. ..	4.10	4.22	00,00	03,*02*	− 116	− 104	..	..	18	0*1*00	10.73
l	.. ..	..	.. .. ..	.. .. ..	4.60	4.58	00,00	02,*03*	− 27	− 39	..	..	12	1*1*01	10.91
m	−17° 5215	9.7	18 22 4.1	−17 2.3	5.02	4.25	03,*02*	00,00	+ 48	− 98	..	..	10	*1*100	11.03
n	.. ..	..	.. .. ..	.. .. ..	4.85	0.10	00,00	00,00	+ 18	− 841	..	..	30	0*1*01	11.13
o	.. ..	..	.. .. ..	.. .. ..	5.85	1.62	00,00	03,*02*	+ 197	− 569	..	..	28	*1*000	11.43
p	.. ..	..	.. .. ..	.. .. ..	5.58	5.78	02,*03*	*03*,02	+ 149	+ 175	..	..	22	1000	11.71
q	.. ..	..	.. .. ..	.. .. ..	7.30	5.30	00,00	00,00	+ 456	+ 90	..	..	02	1000	11.91
r	.. ..	..	.. .. ..	.. .. ..	5.65	4.60	00,00	00,00	+ 161	− 36	..	..	28	0*1*00	11.93
s	.. ..	..	.. .. ..	.. .. ..	6.65	6.15	00,00	00,00	+ 340	+ 242	..	..	30	0*1*10	12.21
t	.. ..	..	.. .. ..	.. .. ..	6.30	5.68	00,00	*03*,02	+ 277	+ 158	..	..	28	1*1*0*1*	12.51
u	.. ..	..	.. .. ..	.. .. ..	5.20	4.18	00,00	*03*,02	+ 81	− 111	..	..	..	....	12.79
131. U CORONAE AUSTRALIS. R. A. 18^h 34^m.3, Dec. −37° 56′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	18^h 1903	10.0	18 32 34.6	−37 56 50	1.80	5.88	00,00	02,*03*	0	0	..	..	..	....	....
a	18^h 1796	9.0	18 30 20.5	−37 45 38	*7.08*	9.50	03,*02*	00,00	−1590	+ 648	..	..	35	*11*00	7.31
b	25457	8.5	18 31 34.6	−37 36 49	*2.20*	12.52	00,00	*02*,03	− 716	+1189	..	..	38	*1*000	7.66
c	−37° 12765	7.5	18 30 54.3	−37 24.2	*5.08*	16.90	*02*,03	00,00	−1232	+1973	..	..	30	0000	8.04
d	18^h 1818	9.0	18 30 48.2	−37 48 6	*5.22*	8.72	02,*03*	03,*02*	−1257	+ 508	..	..	30	0000	8.34
e	25432	8.5	18 30 51.0	−38 7 10	*4.95*	2.30	00,00	00,00	−1208	− 641	..	..	38	000*1*	8.64
f	−38° 12973	9.3	18 31 10.5	−38 11.1	*3.70*	1.28	00,00	02,*03*	− 984	− 823	..	..	42	0001	9.02
g	25485	9.0	18 32 32.4	−37 45 50	1.60	9.55	00,00	00,00	− 36	+ 657	..	..	40	*1*001	9.44
h	−38° 12976	9.5	18 31 22.7	−38 1.1	*2.90*	4.40	00,00	00,00	− 841	− 265	..	..	35	*1*0*1*0	9.84
k	−37° 12771	10.0	18 31 38.8	−37 55.1	*1.88*	6.20	*02*,03	00,00	− 659	+ 57	..	..	42	0100	10.19
l	.. ..	..	.. .. ..	.. .. ..	1.40	6.80	00,00	00,00	− 72	+ 165	..	..	32	0001	10.61
m	.. ..	..	.. .. ..	.. .. ..	1.78	4.00	*03*,02	00,00	− 4	− 337	..	..	32	0100	10.93
n	.. ..	..	.. .. ..	.. .. ..	*1.15*	5.70	00,00	00,00	− 528	− 32	..	..	42	0001	11.25
o	.. ..	..	.. .. ..	.. .. ..	1.20	7.60	00,00	00,00	− 107	+ 308	..	..	32	0001	11.67
p	.. ..	..	.. .. ..	.. .. ..	0.65	6.88	00,00	02,*03*	− 206	+ 179	..	..	..	....	11.99
132. − LYRAE. R. A. 18^h 37^m.6, Dec. +28° 43′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	+28° 3055	9.3	18 35 46.4	+28 40.9	9.29	4.82	*04*,01	03,*02*	0	0	..	..	..	....	....
a	+28° 3064	8.0	18 37 13.3	+28 30.5	16.38	1.32	02,*03*	*02*,03	+1156	− 570	..	..	58	*11*1*0*	8.81
b	+28° 3050	9.4	18 34 41.4	+28 37.2	4.15	3.38	00,00	02,*03*	− 838	− 235	..	..	22	0100	9.39
c	+28° 3056	9.1	18 35 54.6	+28 35.9	10.10	3.20	00,00	00,00	+ 132	− 264	..	..	28	1*1*1*0*	9.61
d	+28° 3049	9.3	18 34 5.5	+28 52.7	1.10	9.05	00,00	00,00	−1335	+ 689	..	..	22	0010	9.89
e	.. ..	..	.. .. ..	.. .. ..	9.18	9.28	02,*03*	02,*03*	− 18	+ 727	..	..	50	*1*001	10.11
f	.. ..	..	.. .. ..	.. .. ..	9.58	12.10	*03*,02	00,00	+ 47	+1187	..	..	30	00*11*	10.61
g	.. ..	..	.. .. ..	.. .. ..	11.20	3.30	00,00	00,00	+ 311	− 248	..	..	10	*1111*	10.91
h	.. ..	..	.. .. ..	.. .. ..	13.65	4.60	00,00	00,00	+ 711	− 36	..	..	10	1*1*00	11.01
k	.. ..	..	.. .. ..	.. .. ..	10.55	3.42	00,00	*02*,03	+ 205	− 228	..	..	22	1000	11.11
l	.. ..	..	.. .. ..	.. .. ..	7.75	11.62	00,00	*02*,03	− 251	+1108	..	..	18	*2*001	11.33
m	.. ..	..	.. .. ..	.. .. ..	9.48	9.00	02,*03*	00,00	+ 31	+ 681	..	..	18	00*1*0	11.51
n	.. ..	..	.. .. ..	.. .. ..	10.82	6.85	*02*,03	00,00	+ 249	+ 331	..	..	35	*1*00*1*	11.69
o	.. ..	..	.. .. ..	.. .. ..	8.25	5.15	00,00	00,00	− 170	+ 54	..	..	..	....	12.04

133. — CORONAE AUSTRALIS. R. A. 18^{h} $38^{m}.7$, Dec. −38° 52′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	18 36 56.7	−38 54 35	3.25	6.72	00,00	03,*02*	0	0	. .	..	..	....	....
a	18^{h} 2179	9.0	18 37 50.7	−38 57 54	6.75	5.60	00,00	00,00	+ 626	− 200	0.3	2	38	00*2*1	8.50
b	18^{h} 2215	9.0	18 38 41.7	−38 57 1	10.15	5.90	00,00	00,00	+1235	− 147	*0.9*	0	48	*1*10*1*	8.88
c	−39°12905	9.4	18 39 12.5	−39 24.7	12.28	*3.25*	02,*03*	00,00	+1616	−1785	. .	..	25	0101	9.36
d	18^{h} 2163	9.0	18 37 31.8	−38 50 29	5.50	8.10	00,00	00,00	+ 403	+ 247	0.6	*2*	30	*1*010	9.61
e	−39°12880	9.6	18 37 14.5	−39 5.7	4.40	3.15	00,00	00,00	+ 206	− 639	. .	..	22	0001	9.91
f	−39°12867	9.5	18 36 31.4	−39 11.2	1.60	1.18	00,00	*03*,02	− 295	− 992	. .	..	38	1*1*0*1*	10.13
g	−38°13061	9.5	18 37 22.6	−38 57.2	4.90	6.15	00,00	00,00	+ 295	− 102	. .	..	32	1*1*01	10.51
h	−38°13054	9.5	18 36 41.0	−38 59.2	2.25	5.15	00,00	00,00	− 179	− 281	. .	..	30	1*1*00	10.83
k	−38°13058	9.6	18 36 58.9	−38 57.2	3.35	5.75	00,00	00,00	+ 18	− 174	. .	..	05	1010	11.13
l	−38°13048	10.0	18 36 19.7	−38 50.2	0.80	8.25	00,00	00,00	− 439	+ 274	. .	..	42	*1*020	11.18
m	.. ..	..	.. .. ..	.. .. ..	0.42	8.28	*02*,03	02,*03*	− 507	+ 279	. .	..	22	0010	11.60
n	.. ..	..	.. .. ..	.. .. ..	4.10	5.42	00,00	*02*,03	+ 152	− 233	. .	..	20	100*1*	11.82
o	.. ..	..	.. .. ..	.. .. ..	4.28	5.25	*03*,02	00,00	+ 184	− 263	. .	..	18	0*1*00	12.02
p	.. ..	..	.. .. ..	.. .. ..	3.72	6.60	*02*,03	00,00	+ 84	− 21	. .	..	20	10*1*0	12.20
q	.. ..	..	.. .. ..	.. .. ..	4.28	6.38	02,*03*	02,*03*	+ 184	− 61	. .	..	28	00*1*0	12.40
r	.. ..	..	.. .. ..	.. .. ..	3.12	6.75	*02*,03	00,00	− 23	+ 5	. .	..	25	0110	12.68
s	.. ..	..	.. .. ..	.. .. ..	3.00	6.50	00,00	00,00	− 45	− 39	. .	..	32	0100	12.93
t	.. ..	..	.. .. ..	.. .. ..	3.15	7.25	00,00	00,00	− 18	+ 95	. .	..	..	....	*13.25*

134. S SCUTI. R. A. 18^{h} $44^{m}.9$, Dec. −8° 1.′

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	− 8° 4726	7.1	18 42 27.8	− 8 4.1	4.62	7.08	*02*,03	02,*03*	0	0	. .	..	..	....	....
a	− 7° 4739	8.3	18 42 49.3	− 7 59.7	6.35	8.40	00,00	00,00	+ 310	+ 236	. .	..	30	0000	7.48
b	− 7° 4740	8.7	18 43 18.3	− 7 57.4	8.75	9.25	00,00	00,00	+ 739	+ 388	. .	..	30	1*1*00	7.78
c	− 8° 4733	7.2	18 43 20.9	− 8 10.4	9.15	4.90	00,00	00,00	+ 811	− 390	. .	..	30	01*1*0	8.08
d	− 8° 4732	8.2	18 43 20.1	− 8 5.9	9.10	6.28	00,00	02,*03*	+ 802	− 143	. .	..	48	*1*10*1*	8.38
e	− 8° 4735	9.4	18 43 36.0	− 8 ·0.0	10.25	8.28	00,00	02,*03*	+1008	+ 215	. .	..	22	101*1*	8.86
f	− 8° 4729	8.8	18 42 53.4	− 8 9.2	6.80	5.55	00,00	00,00	+ 390	− 274	. .	..	35	0*1*0*1*	9.08
g	− 8° 4721	8.5	18 41 58.5	− 8 21.1	2.20	1.30	00,00	00,00	− 433	−1035	. .	..	65	*1*012	9.43
h	.. ..	..	.. .. ..	.. .. ..	5.78	7.25	02,*03*	00,00	+ 208	+ 30	. .	..	35	00*11*	10.08
k	.. ..	..	.. .. ..	.. .. ..	4.68	7.80	*03*,02	00,00	+ 11	+ 129	. .	..	15	*1*9*1*0	10.43
l	.. ..	..	.. .. ..	.. .. ..	2.75	7.72	00,00	03,*02*	− 335	+ 115	. .	..	22	0100	10.58
m	.. ..	..	.. .. ..	.. .. ..	3.32	8.25	*02*,03	00,00	− 233	+ 209	. .	..	25	0011	10.80
n	.. ..	..	.. .. ..	.. .. ..	3.85	8.48	00,00	*03*,02	− 138	+ 251	. .	..	22	0001	11.05
o	.. ..	..	.. .. ..	.. .. ..	4.58	8.62	02,*03*	03,*02*	− 7	+ 276	. .	..	22	0001	11.27
p	.. ..	..	.. .. ..	.. .. ..	5.52	6.95	03,*02*	00,00	+ 161	− 23	. .	..	..	....	11.49

135. T SCUTI. R. A. 18^{h} $50^{m}.0$, Dec. −8° 18′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	− 8° 4764	9.5	18 47 33.6	− 8 21.6	4.63	4.45	*03*,02	00,00	0	0	. .	..	..	....	....
a	− 8° 4773	9.0	18 48 34.0	− 8 25.4	9.58	3.40	*03*,02	00,00	+ 886	− 188	. .	..	12	1000	8.76
b	− 8° 4766	9.2	18 47 52.7	− 8 23.3	6.22	4.10	*02*,03	00,00	+ 285	− 63	. .	..	40	11*11*	8.88
c	− 8° 4770	9.4	18 48 13.7	− 8 15.5	7.80	6.48	00,00	*03*,02	+ 567	+ 363	. .	..	32	0100	9.28
d	− 8° 4765	9.5	18 47 52.1	− 8 20.6	6.18	5.15	*03*,02	00,00	+ 277	+ 125	. .	..	25	0011	9.60

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
135. T Scuti. R. A. 18h 50m.0, Dec. −8° 18′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
e	− 8° 4768	9.4	18 48 3.7	− 8 15.0	7.12	6.78	*02*,03	*03*,02	+ 446	+ 417	. .	. .	10	0*1*01	9.85
f	− 8° 4758	9.8	18 46 43.8	− 8 19.8	0.48	5.28	02,*03*	02,*03*	− 743	+ 149	. .	. .	25	0011	9.95
g	. . . .	. .	. . . . . .	. . . . . .	10.25	6.65	00,00	00,00	+1006	+ 394	. .	. .	22	0100	10.20
h	. . . .	. .	. . . . . .	. . . . . .	6.28	0.30	02,*03*	00,00	+ 295	− 743	. .	. .	30	0000	10.42
k	. . . .	. .	. . . . . .	. . . . . .	2.25	6.02	00,00	*02*,03	− 426	+ 281	. .	. .	25	0101	10.72
l	. . . .	. .	. . . . . .	. . . . . .	5.25	4.65	00,00	00,00	+ 111	+ 36	. .	. .	18	*1*000	10.97
m	. . . .	. .	. . . . . .	. . . . . .	3.25	3.40	00,00	00,00	− 247	− 188	. .	. .	22	0010	11.15
n	. . . .	. .	. . . . . .	. . . . . .	3.35	3.80	00,00	00,00	− 229	− 116	. .	. .	25	0101	11.37
o	. . . .	. .	. . . . . .	. . . . . .	3.48	3.62	02,*03*	*02*,03	− 206	− 149	. .	. .	32	0010	11.62
p	. . . .	. .	. . . . . .	. . . . . .	2.62	3.75	*02*,03	00,00	− 360	− 125	. .	. .	18	1*11*0	11.94
q	. . . .	. .	. . . . . .	. . . . . .	4.28	4.20	02,*03*	00,00	− 63	− 45	. .	. .	. .	. . . .	12.12
136. ST Sagittarii. R. A. 18h 55m.9, Dec. −12° 54′.															
			h. m. s.	° ′					″	″	s.	″			
V	. . . .	. .	18 53 21.8	−12 57.2	5.30	5.18	00,00	*03*,02	0	0	. .	. .	. .	. . . .	. . . .
a	−12° 5247	9.0	18 54 1.9	−12 58.6	8.58	4.65	02,*03*	00,00	+ 587	− 95	*0.4*	12	08	000*1*	8.38
b	−12° 5251	9.0	18 54 9.4	−12 51.5	9.25	7.08	00,00	02,*03*	+ 707	+ 340	0.4	0	22	0001	8.46
c	−13° 5195	9.2	18 54 6.9	−13 5.8	8.82	2.35	*02*,03	00,00	+ 630	− 507	0.1	*12*	30	001*1*	8.68
d	−13° 5183	9.0	18 53 0.2	−13 11.4	3.68	0.52	02,*03*	03,*02*	− 290	− 834	. .	. .	65	0110	8.98
e	−12° 5242	9.3	18 52 50.4	−12 47.5	2.90	8.48	00,00	02,*03*	− 430	+ 591	0.0	*6*	10	0*1*01	9.63
f	. . . .	. .	. . . . . .	. . . . . .	2.80	6.65	00,00	00,00	− 448	+ 263	0.0	*6*	12	110*1*	9.73
g	−12° 5240	9.5	18 52 26.4	−12 50.1	0.90	7.60	00,00	00,00	− 788	+ 433	. .	. .	22	0100	9.85
h	. . . .	. .	. . . . . .	. . . . . .	4.65	5.38	00,00	*03*,02	− 116	+ 36	. .	. .	25	*1*021	10.07
k	−13° 5191	9.4	18 53 46.4	−13 7.6	7.52	1.85	*02*,03	00,00	+ 397	− 596	. .	. .	10	*1*20*1*	10.32
l	. . . .	. .	. . . . . .	. . . . . .	4.50	8.12	00,00	*02*,03	− 143	+ 526	. .	. .	15	0*21*1	10.42
m	. . . .	. .	. . . . . .	. . . . . .	7.20	6.45	00,00	00,00	+ 340	+ 227	. .	. .	20	100*1*	10.57
n	. . . .	. .	. . . . . .	. . . . . .	8.30	7.30	00,00	00,00	+ 537	+ 379	. .	. .	20	0*1*01	10.77
o	. . . .	. .	. . . . . .	. . . . . .	6.38	6.32	02,*03*	*02*,03	+ 193	+ 204	. .	. .	12	0100	10.97
p	. . . .	. .	. . . . . .	. . . . . .	4.80	7.20	00,00	00,00	− 90	+ 362	. .	. .	22	0100	11.09
q	. . . .	. .	. . . . . .	. . . . . .	5.70	4.78	00,00	02,*03*	+ 72	− 72	. .	. .	35	*12*01	11.31
r	. . . .	. .	. . . . . .	. . . . . .	5.85	6.50	00,00	00,00	+ 98	+ 236	. .	. .	22	1000	11.66
s	. . . .	. .	. . . . . .	. . . . . .	5.55	5.65	00,00	00,00	+ 45	+ 84	. .	. .	35	*111*1	11.88
t	. . . .	. .	. . . . . .	. . . . . .	5.35	5.35	00,00	00,00	+ 9	+ 30	. .	. .	05	1001	12.23
u	. . . .	. .	. . . . . .	. . . . . .	5.12	5.30	03,*02*	00,00	− 32	+ 21	. .	. .	. .	. . . .	12.28
137. Nova Sagittarii. R. A. 18h 56m.2, Dec. −13° 18′.															
			h. m. s.	° ′					″	″	s.	″			
V	. . . .	. .	18 53 40.7	−13 21.8	7.96	*2.30*	04,*01*	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	−21° 5275	3	19 1 9.1	−21 14.6	. . . .	. . . .	. . . .	. . . .	. .	. .	. .	. .	50	0000	R
b	−16° 5283	4.7	19 13 25.1	−16 13.1	. . . .	. . . .	. . . .	. . . .	. .	. .	. .	. .	50	20*2*0	R
c	−13° 5172	5.5	18 51 15.1	−13 1.7	*3.80*	4.40	00,00	00,00	−2105	+1199	. .	. .	70	*3*122	R
d	−14° 5479	5.6	19 29 23.6	−14 37.2	. . . .	. . . .	. . . .	. . . .	. .	. .	. .	. .	62	110*1*	R
e	−12° 5228	6.9	18 50 53.4	−12 46.4	*5.58*	9.48	*02*,03	02,*03*	−2424	+2109	. .	. .	42	*2*131	6.86
f	−12° 5259	7.5	18 55 12.8	−12 54.8	15.68	6.62	02,*03*	*02*,03	+1382	+1597	0.0	17	22	0001	7.28
g	−13° 5194	7.8	18 54 3.2	−13 27.7	9.80	*4.20*	00,00	00,00	+ 329	− 340	*0.6*	*2*	80	1*1*00	7.50

Des.	Cat. No.	Magn.	R. A.	Dec.	*x*	*y*	Δ*x*	Δ*y*	*x*	*y*	Δα	Δδ	Mean.	Resid.	Magn.
137. Nova Sagittarii. R. A. $18^h\ 56^m.2$, Dec. −13° 18′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
h	−13° 5185	9.0	18 53 3.3	−13 31.6	4.90	*5.45*	00,00	00,00	− 548	− 564	*0.7*	*8*	38	*1*01*1*	8.30
k	−13° 5197	8.9	18 54 28.9	−13 22.4	11.82	*2.40*	03,*02*	00,00	+ 691	− 18	0.8	*12*	45	0002	8.68
l	−13° 5202	9.5	18 54 59.0	−13 37.1	14.28	*7.58*	02,*03*	03,*02*	+1131	− 945	..	..	38	*1*000	9.13
m	−13° 5188	9.0	18 53 0.2	−13 11.4	4.75	1.25	00,00	00,00	− 575	+ 635	0.0	4	28	00*1*0	9.51
n	−13° 5200	9.0	18 54 43.4	−13 21.8	13.10	*2.45*	00,00	00,00	+ 920	− 27	..	..	30	001*1*	9.79
o	−13° 5193	9.5	18 54 1.1	−13 19.7	9.62	*1.78*	*02*,03	03,*02*	+ 297	+ 93	..	..	50	0*1*10	10.09
p	.. ..	..	.. .. ..	.. .. ..	9.25	*6.65*	00,00	00,00	+ 231	− 779	..	..	25	1100	10.59
q	.. ..	..	.. .. ..	.. .. ..	8.20	*7.52*	00,00	*03*,02	+ 43	− 934	..	..	35	0*12*1	10.84
r	.. ..	..	.. .. ..	.. .. ..	5.60	*4.25*	00,00	00,00	− 422	− 349	..	..	48	0*11*1	11.19
s	.. ..	..	.. .. ..	.. .. ..	6.30	0.25	00,00	00,00	− 297	+ 456	..	..	62	*21*31	11.67
t	.. ..	..	.. .. ..	.. .. ..	8.70	*1.95*	00,00	00,00	+ 132	+ 63	..	..	40	*111*3	12.29
u	.. ..	..	.. .. ..	.. .. ..	8.75	*1.42*	00,00	*03*,02	+ 141	+ 158	..	..	38	00*1*0	12.69
w	.. ..	..	.. .. ..	.. .. ..	8.15	*0.88*	00,00	03,*02*	+ 34	+ 254	..	..	40	*1012*	13.07
x	.. ..	..	.. .. ..	.. .. ..	5.95	*1.30*	00,00	00,00	− 360	+ 179	..	..	08	0*1*00	13.47
y	.. ..	..	.. .. ..	.. .. ..	6.40	*2.15*	00,00	00,00	− 279	+ 27	..	..	28	*1110*	13.55
α	.. ..	..	.. .. ..	.. .. ..	7.25	*2.60*	00,00	00,00	− 127	− 54	..	..	20	0000	13.83
β	.. ..	..	.. .. ..	.. .. ..	7.78	*1.62*	02,*03*	02,*03*	− 32	+ 122	..	..	15	*11*00	14.03
γ	.. ..	..	.. .. ..	.. .. ..	7.40	*1.25*	00,00	00,00	− 100	+ 188	..	..	..	....	14.18
138. Nova Aquilae, No. 2. R. A. $18^h\ 56^m.9$, Dec. −4° 34′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	18 54 25.1	− 4 38.6	*8.84*	*7.30*	04,*01*	*05*,00	0	0	..	..	..	....	.. ..
a	− 4° 4663	6.8	18 53 28.8	− 4 38.4	*23.15*	*6.30*	00,00	00,00	− 852	+ 36	..	..	50	*11*11	8.67
b	− 4° 4668	8.5	18 54 11.9	− 4 32.1	*12.38*	*0.10*	*02*,03	00,00	− 206	+ 408	..	..	40	*1201*	9.17
c	− 4° 4665	8.8	18 53 42.4	− 4 52.5	*19.72*	*20.75*	02,*03*	00,00	− 646	− 831	..	..	22	*2*300	9.57
d	− 5° 4844	9.0	18 54 57.2	− 5 0.0	*0.82*	*28.20*	02,*03*	00,00	+ 488	−1278	..	..	10	1*111*	9.79
e	− 5° 4839	9.1	18 53 46.8	− 5 10.0	*18.72*	*38.70*	*03*,02	00,00	− 586	−1908	..	..	20	00*11*	9.89
f	− 4° 4675	9.1	18 55 21.2	− 4 35.5	5.25	*3.60*	00,00	00,00	+ 852	+ 198	..	..	08	10*11*	10.09
g	− 4° 4687	9.2	18 57 39.0	− 4 44.7	39.70	*12.60*	00,00	00,00	+2919	− 342	..	..	42	*1222*	10.17
h	− 4° 4656	9.5	18 52 5.1	− 4 53.3	*44.40*	*21.85*	00,00	00,00	−2127	− 897	..	..	08	*111*2	10.59
k	.. ..	..	.. .. ..	.. .. ..	*10.65*	*16.40*	00,00	00,00	− 102	− 570	..	..	28	10*11*	10.67
l	− 4° 4677	9.2	18 55 59.6	− 4 43.8	14.75	*11.95*	00,00	00,00	+1422	− 303	..	..	35	01*21*	10.95
m	.. ..	..	.. .. ..	.. .. ..	*11.65*	*5.95*	00,00	00,00	− 162	+ 57	..	..	15	*1*0*1*0	11.30
n	.. ..	..	.. .. ..	.. .. ..	*9.85*	*0.85*	00,00	00,00	− 54	+ 363	..	..	45	2*2*11	11.45
o	.. ..	..	.. .. ..	.. .. ..	*12.60*	*6.25*	00,00	00,00	− 219	+ 39	..	..	48	RRRR	*11.90*
p	.. ..	..	.. .. ..	.. .. ..	*4.98*	*10.48*	*02*,03	03,*02*	+ 238	− 215	..	..	31	RRRR	*12.38*
q	.. ..	..	.. .. ..	.. .. ..	*4.35*	*10.90*	00,00	00,00	+ 276	− 240	..	..	28	..R.	*12.69*
r	.. ..	..	.. .. ..	.. .. ..	*6.65*	*1.25*	00,00	00,00	+ 138	+ 339	..	..	30	00..	*12.97*
s	.. ..	..	.. .. ..	.. .. ..	*1.88*	*8.60*	*02*,03	00,00	+ 424	− 102	..	..	45	10..	*13.27*
t	.. ..	..	.. .. ..	.. .. ..	*6.85*	*7.30*	00,00	00,00	+ 126	− 24	..	..	25	01..	*13.72*
u	.. ..	..	.. .. ..	.. .. ..	*5.90*	*8.82*	00,00	02,*03*	+ 183	− 115	..	..	30	00..	*13.97*
w	.. ..	..	.. .. ..	.. .. ..	*7.65*	*10.05*	00,00	00,00	+ 78	− 189	..	..	35	0*1*..	*14.27*
x	.. ..	..	.. .. ..	.. .. ..	*8.85*	*8.10*	00,00	00,00	+ 6	− 72	..	..	20	00..	*14.62*
y	.. ..	..	.. .. ..	.. .. ..	*8.95*	*6.62*	00,00	02,*03*	0	+ 17	..	..	15	*1*0..	*14.82*
z	.. ..	..	.. .. ..	.. .. ..	*7.98*	*6.30*	03,*02*	00,00	+ 58	+ 36	..	..	30	00..	*14.97*
α	.. ..	..	.. .. ..	.. .. ..	*9.02*	*7.28*	*03*,02	*02*,03	− 4	− 23	..	..	..	....	*15.27*

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
139. SU SAGITTARII. R. A. 18^h 57^m.7, Dec. −22° 51.′															
			h. m. s.	° ′ ″					″	″	s.	″			
V	26078	7.2	18 56 11.8	−22 53 29	14.72	5.62	03,*02*	*02,02*	0	0	. .	. .	. .	. . . .	. . . .
a	26094	7.0	18 56 41.6	−23 4 41	17.15	1.92	00,00	03,*02*	+ 435	− 662	. .	. .	65	*1*102	6.53
b	26022	6.8	18 54 5.6	−22 52 10	5.10	5.78	00,00	02,*03*	−1722	+ 29	. .	. .	40	1100	7.18
c	−22°13574	8.7	18 56 41.0	−22 44.8	16.82	8.70	*02*,03	00,00	+ 376	+ 551	. .	. .	70	*12*21	7.58
d	−22°13522	9.1	18 53 25.8	−22 59.4	2.10	3.20	00,00	00,00	−2259	− 433	. .	. .	30	1*1*00	8.28
e	18^h 2920	8.5	18 54 20.7	−23 2 36	6.25	2.30	00,00	00,00	−1516	− 594	. .	. .	42	0*1*11	8.58
f	−22°13539	9.5	18 54 44.6	−22 37.9	7.90	10.32	00,00	03,*02*	−1221	+ 841	. .	. .	35	00*11*	8.98
g	−22°13571	9.7	18 56 38.5	−22 36.3	16.70	11.58	00,00	02,*03*	+ 354	+1067	. .	. .	25	1100	9.35
h	−23°14988	9.6	18 55 29.9	−23 8.5	11.60	0.50	00,00	00,00	− 558	− 916	. .	. .	10	100*1*	9.60
k	−23°14998	9.5	18 55 54.2	−23 5.2	13.45	1.58	00,00	02,*03*	− 227	− 723	. .	. .	58	20*21*	9.70
l	−22°13560	9.7	18 55 59.9	−22 44.6	13.78	8.75	02,*03*	00,00	− 168	+ 560	. .	. .	18	000*1*	10.28
m	−22°13564	10.0	18 56 15.0	−22 54.4	15.10	5.30	00,00	00,00	+ 68	− 57	. .	. .	22	1000	10.46
n	−22°13576	10.0	18 56 50.3	−22 44.5	17.70	8.80	00,00	00,00	+ 533	+ 569	. .	. .	12	*1*011	10.68
o	−22°13559	10.0	18 55 55.8	−22 49.7	13.35	6.65	00,00	00,00	− 245	+ 184	. .	. .	38	20*21*	10.80
p	. . . .	. .	. . . . . .	. . . . . .	15.20	1.72	00,00	03,*02*	+ 86	− 698	. .	. .	22	1000	11.18
q	. . . .	. .	. . . . . .	. . . . . .	17.30	5.28	00,00	*03*,02	+ 462	− 61	. .	. .	15	00*11*	11.40
r	. . . .	. .	. . . . . .	. . . . . .	13.30	4.52	00,00	*02*,03	− 254	− 197	. .	. .	. .	. . . .	11.55
140. — TELESCOPII. R. A. 19^h 0^m.1, Dec. −48° 44′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−48°12910	9.2	18 58 14.5	−48 45.6	11.19	10.36	*04*,01	*01,01*	0	0	. .	. .	. .	. . . .	. . . .
a	26053	7.0	18 55 13.2	−48 34 58	1.10	13.82	00,00	*02*,03	−1806	+ 619	. .	. .	72	01*1*1	7.58
b	19^h 16	8.5	19 0 22.9	−48 52 4	18.20	8.28	00,00	*03*,02	+1255	− 372	. .	. .	40	010*1*	8.30
c	26105	8.5	18 57 22.2	−49 11 14	8.30	1.78	00,00	*03*,02	− 517	−1536	. .	. .	10	*11*1*1*	8.70
d	26126	9.2	18 57 59.2	−49 12 57	10.30	1.30	00,00	00,00	− 159	−1622	. .	. .	15	0*11*0	8.80
e	18^h 3121	10.0	18 59 5.7	−48 59 27	13.90	5.75	00,00	00,00	+ 485	− 825	. .	. .	52	2*1*00	8.95
f	18^h 3147	9.0	18 59 35.4	−48 49 32	15.55	9.15	00,00	00,00	+ 780	− 217	. .	. .	30	*1*100	9.47
g	18 3117	9.5	18 58 56.7	−48 52 25	13.40	8.20	00,00	00,00	+ 396	− 387	. .	. .	28	0*1*00	9.77
h	−48 12913	9.4	18 58 18.9	−48 42.0	11.35	11.50	00,00	00,00	+ 29	+ 204	. .	. .	15	*1*0*1*0	10.05
k	−49 12513	9.9	18 59 13.1	−49 4.7	14.30	4.05	00,00	00,00	+ 557	−1129	. .	. .	45	11*1*1	10.20
l	−49 12516	10.0	18 59 27.7	−49 6.0	15.35	3.40	00,00	00,00	+ 745	−1246	. .	. .	35	00*11*	10.65
m	. . . . . .	. .	. . . . . .	. . . . . .	9.30	4.60	00,00	00,00	− 338	−1031	. .	. .	28	1*1*0*1*	11.00
n	. . . . . .	. .	. . . . . .	. . . . . .	11.40	4.38	00,00	*03*,02	+ 38	−1070	. .	. .	22	0010	11.28
o	. . . . . .	. .	. . . . . .	. . . . . .	11.22	3.40	*02*,03	00,00	+ 5	−1246	. .	. .	40	*2*110	11.50
p	. . . . . .	. .	. . . . . .	. . . . . .	11.05	4.45	00,00	00,00	− 25	−1058	. .	. .	28	0*1*00	11.90
q	. . . . . .	. .	. . . . . .	. . . . . .	12.85	4.90	00,00	00,00	+ 297	− 977	. .	. .	23	0.01	*12.20*
r	. . . . . .	. .	. . . . . .	. . . . . .	11.85	3.70	00,00	00,00	+ 118	−1192	. .	. .	15	0.*1*.	*12.49*
s	. . . . . .	. .	. . . . . .	. . . . . .	12.00	3.65	00,00	00,00	+ 145	−1201	. .	. .	. .	. . . .	*12.62*
141. U TELESCOPII. R. A. 19^h 0^m.5, Dec. −49° 4′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	18 58 33.9	−49 5 38	12.20	3.72	00,00	*02,02*	0	0	. .	. .	. .	. . . .	. . . .
1	26110	6.4	18 57 30.1	−48 29.7	8.68	15.88	02,*03*	*03*,02	− 630	+2177	. .	. .	. .	. . . .	. . . .
a	26053	7.0	18 55 13.2	−48 34 58	1.10	13.82	00,00	*02*,03	−1987	+1808	. .	. .	72	01*1*1	7.58
b	19^h 16	8.5	19 0 22.9	−48 52 4	18.20	8.28	00,00	*03*,02	+1074	+ 816	. .	. .	40	010*1*	8.30
c	26105	8.5	18 57 22.2	−49 11 14	8.30	1.78	00,00	*03*,02	− 698	− 347	*0.5*	12	10	*11*1*1*	8.70

141. U Telescopii. R. A. 19^h 0^m.5, Dec. −49° 4′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
d	26126	9.2	18 57 59.2	−49 12 57	10.30	1.30	00,00	00,00	− 340	− 433	0.3	*6*	15	0*11*0	8.80
e	18^h 3121	10.0	18 59 5.7	−48 59 27	13.90	5.75	00,00	00,00	+ 304	+ 363	0.6	8	52	2*1*00	8.95
f	18^h 3147	9.0	18 59 35.4	−48 49 32	15.55	9.15	00,00	00,00	+ 600	+ 972	*0.4*	*6*	30	*1*100	9.47
g	18^h 3117	9.5	18 58 56.7	−48 52 25	13.40	8.20	00,00	00,00	+ 215	+ 802	0.3	*9*	28	0*1*00	9.77
h	−48°12913	9.4	18 58 18.9	−48 42.0	11.35	11.50	00,00	00,00	− 152	+1393	. .	. .	15	*1*0*1*0	10.05
k	−49°12513	9.9	18 59 13.1	−49 4.7	14.30	4.05	00,00	00,00	+ 376	+ 59	. .	. .	45	11*1*1	10.20
l	−49°12516	10.0	18 59 27.7	−49 6.0	15.35	3.40	00,00	00,00	+ 564	− 57	. .	. .	35	00*11*	10.65
m	. . . .	. .	. . . . . .	. . . . . .	9.30	4.60	00,00	00,00	− 519	+ 158	. .	. .	28	1*1*0*1*	11.00
n	. . . .	. .	. . . . . .	. . . . . .	11.40	4.38	00,00	*03*,02	− 143	+ 118	. .	. .	22	0010	11.28
o	. . . .	. .	. . . . . .	. . . . . .	11.22	3.40	*02*,03	00,00	− 175	− 57	. .	. .	40	*2*110	11.50
p	. . . .	. .	. . . . . .	. . . . . .	11.05	4.45	00,00	00,00	− 206	+ 131	. .	. .	28	0*1*00	11.90
q	. . . .	. .	. . . . . .	. . . . . .	12.85	4.90	00,00	00,00	+ 116	+ 211	. .	. .	23	0.01	*12.20*
r	. . . .	. .	. . . . . .	. . . . . .	11.85	3.70	00,00	00,00	− 68	− 4	. .	. .	15	0.*1*.	*12.49*
s	. . . .	. .	. . . . . .	. . . . . .	12.00	3.65	00,00	00,00	− 36	− 13	. .	. .	. .	. . . .	*12.62*

142. RW Sagittarii. R. A. 19^h 8^m.1, Dec. −19° 2′.
143. – Sagittarii. R. A. 19^h 8^m.6, Dec. −19° 0′.
144. RX Sagittarii. R. A. 19^h 8^m.7, Dec. −18° 59′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V^2	−19 5347	9.7	19 5 25.3	−19 6.4	7.28	8.40	*03*,02	00,00	− 537	− 170	. .	. .	. .	. . . .	. . . .
V^3	. . . .	. .	19 5 57.5	−19 4.0	9.78	9.15	*03*,*03*	00,00	− 90	− 36	. .	. .	. .	. . . .	. . . .
V^1	. . . .	. .	19 6 3.9	−19 3.4	10.28	9.35	*03*,02	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	−19 5344	8.3	19 4 14.0	−19 28.1	1.62	1.10	*02*,03	00,00	−1550	−1477	. .	. .	38	000*1*	8.09
b	−19 5346	9.0	19 4 55.6	−19 5.8	4.85	8.58	00,00	*03*,02	− 972	− 138	. .	. .	55	0*2*00	8.47
c	−19 5353	8.7	19 6 15.7	−19 13.1	11.20	6.10	00,00	00,00	+ 165	− 582	. .	. .	30	0000	9.02
d	−19 5349	9.5	19 5 28.3	−19 10.4	7.45	6.90	00,00	00,00	− 507	− 439	. .	. .	50	*2*101	9.32
e	−18 5251	9.2	19 4 53.6	−18 48.8	4.75	14.30	00,00	00,00	− 990	+ 886	. .	. .	48	01*11*	9.82
f	. . . .	. .	. . . . . .	. . . . . .	8.08	12.30	*03*,02	00,00	− 394	+ 528	. .	. .	45	1010	10.30
g	. . . .	. .	. . . . . .	. . . . . .	7.30	11.30	00,00	00,00	− 533	+ 349	. .	. .	42	0*1*11	10.75
h	. . . .	. .	. . . . . .	. . . . . .	7.85	9.42	00,00	*02*,03	− 435	+ 13	. .	. .	38	*1*000	11.17
k	. . . .	. .	. . . . . .	. . . . . .	10.75	7.68	00,00	*03*,02	+ 84	− 299	. .	. .	18	0*1*00	11.55
l	. . . .	. .	. . . . . .	. . . . . .	8.72	7.72	*02*,03	03,*02*	− 279	− 292	. .	. .	35	*1*00*1*	11.73
m	. . . .	. .	. . . . . .	. . . . . .	10.20	8.80	00,00	00,00	− 14	− 98	. .	. .	35	*1*0*1*0	12.08
n	. . . .	. .	. . . . . .	. . . . . .	9.50	8.75	00,00	00,00	− 140	− 107	. .	. .	60	1*111*	12.43
o	. . . .	. .	. . . . . .	. . . . . .	10.12	9.22	03,*02*	*02*,03	− 29	− 23	. .	. .	28	*1*000	*13.03*
p	. . . .	. .	. . . . . .	. . . . . .	9.05	10.20	00,00	00,00	− 220	+ 152	. .	. .	17	0.*10*	*13.31*
q	. . . .	. .	. . . . . .	. . . . . .	8.55	10.25	00,00	00,00	− 310	+ 161	. .	. .	. .	. . . .	*13.48*

145. RY Sagittarii. R. A. 19^h 10^m.0, Dec. −33° 42.′

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	26384	6.9	19 8 23.0	−33 44 20	17.25	10.14	00,00	01,*04*	0	0	. .	. .	. .	. . . .	. . . .
a	26283 26284	7.2 7.5	19 4 31.8 19 4 32.5	−34 3 15 −34 3 4	1.30	3.52	00,00	03,*02*	−2855	−1185	. .	.	70	*1*1*1*1	5.98
b	26412	7.5	19 10 13.4	−33 22 24	24.90	17.42	00,00	03,*02*	+1369	+1303	. .	. .	35	*1*00*1*	6.68
c	26364	7.4	19 7 36.8	−33 44 41	14.12	9.90	*02*,03	00,00	− 560	− 43	. .	. .	35	*1*0*1*0	7.03

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
145. RY SAGITTARII. R. A. 19^h $10^m.0$, Dec. −33° 42′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
d	26381	7.2	19 8 16.9	−34 1 32	16.90	4.30	00,00	00,00	− 63	−1045	. .	. .	52	0100	7.38
e	26366	8.8	19 7 39.6	−33 47 40	14.28	8.90	*03*,02	00,00	− 532	− 222	. .	. .	52	*1*101	7.90
f	19^h 443	8.5	19 10 12.7	−34 11 6	24.95	1.22	00,00	02,*03*	+1378	−1597	. .	. .	42	11*1*0	8.42
g	−33°14109	8.3	19 10 33.1	−33 43.3	26.28	10.38	*03*,02	*03*,02	+1616	+ 48	. .	. .	40	2*11*0	8.84
h	26315	8.5	19 5 51.1	−33 38 42	6.70	11.80	00,00	00,00	−1888	+ 297	. .	. .	45	1010	9.24
k	−33°14081	9.7	19 8 39.6	−33 42.2	18.40	10.78	00,00	02,*03*	+ 206	+ 115	. .	. .	45	1001	9.69
l	−33°14089	9.6	19 9 7.1	−33 44.6	20.30	10.10	00,00	00,00	+ 546	− 7	. .	. .	30	0000	10.14
m	−33°14092	9.8	19 9 20.8	−33 42.6	21.25	10.62	00,00	03,*02*	+ 716	+ 86	. .	. .	30	*1*001	10.44
n	.. ..	..	.. .. ..	.. .. ..	13.42	12.05	*02*,03	00,00	− 686	+ 342	. .	. .	30	0000	*10.74*
o	−33°14088	10.0	19 9 5.0	−33 41.7	20.20	11.42	00,00	03,*02*	+ 528	+ 229	. .	. .	48	00*1*0	*11.04*
p	.. ..	..	.. .. ..	.. .. ..	20.38	10.35	02,*03*	00,00	+ 560	+ 38	. .	. .	28	00*1*0	*11.52*
q	.. ..	..	.. .. ..	.. .. ..	18.30	9.42	00,00	*02*,03	+ 188	− 129	. .	. .	22	1000	*11.80*
r	.. ..	..	.. .. ..	.. .. ..	16.75	10.10	00,00	00,00	− 90	− 7	. .	. .	50	20*11*	*12.02*
s	.. ..	..	.. .. ..	.. .. ..	14.20	8.15	00,00	00,00	− 546	− 358	. .	. .	28	00*1*0	*12.52*
t	.. ..	..	.. .. ..	.. .. ..	15.85	9.45	00,00	00,00	− 251	− 125	. .	. .	..	....	*12.80*
146. — SAGITTARII. R. A. 19^h $10^m.5$, Dec. −39° 47′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−39°13207	9.5	19 8 46.3	−39 49.6	19.77	28.75	*02*,*02*	00,00	0	0	. .	. .	..	....	.. ..
a	19^h 425	9.5	19 9 50.1	−39 58 4	31.72	20.25	03,*02*	00,00	+ 717	− 510	. .	. .	30	10*1*0	8.66
b	19^h 376	8.5	19 8 36.1	−40 17 26	17.25	0.90	00,00	00,00	− 151	−1671	. .	. .	40	*1*001	8.96
c	19^h 315	9.5	19 7 7.9	−40 5 12	0.30	13.40	00,00	00,00	−1168	− 921	. .	. .	18	*1*000	9.36
d	19^h 367	9.0	19 8 24.5	−39 54 54	15.25	23.68	00,00	02,*03*	− 271	− 304	. .	. .	35	*1*01*2*	9.54
e	−39°13206	9.7	19 8 44.5	−39 54.5	19.20	24.10	00,00	00,00	− 34	− 279	. .	. .	30	010*1*	9.89
f	−39°13208	9.3	19 9 2.2	−39 47.6	22.90	30.68	00,00	*03*,02	+ 188	+ 116	. .	. .	12	10*1*1	10.19
g	−39°13199	9.0	19 7 50.1	−39 45.6	9.10	32.20	00,00	00,00	− 640	+ 207	. .	. .	48	1*12*1	10.31
h	−39°13203	10.0	19 8 18.7	−39 45.6	14.30	32.45	00,00	00,00	− 328	+ 222	. .	. .	48	0*2*01	10.79
k	R	..	.. .. ..	.. .. ..	20.22	34.78	*02*,03	*03*,02	+ 27	+ 362	. .	. .	42	20*1*0	11.27
l	−39°13211	10.0	19 9 26.1	−39 53.1	27.10	25.58	00,00	*03*,02	+ 440	− 190	. .	. .	33	1.00	11.69
m	.. ..	..	.. .. ..	.. .. ..	19.15	26.70	00,00	00,00	− 37	− 123	. .	. .	10	1.0*1*	12.02
n	.. ..	..	.. .. ..	.. .. ..	17.80	27.20	00,00	00,00	− 118	− 93	. .	. .	20	0*1*01	12.12
o	.. ..	..	.. .. ..	.. .. ..	18.32	30.32	*02*,03	*02*,03	− 87	+ 94	. .	. .	20	0000	12.32
p	.. ..	..	.. .. ..	.. .. ..	17.10	30.05	00,00	00,00	− 160	+ 78	. .	. .	08	*1*10*1*	12.52
q	.. ..	..	.. .. ..	.. .. ..	16.38	27.60	02,*03*	00,00	− 203	− 69	. .	. .	30	*1*100	12.60
r	.. ..	..	.. .. ..	.. .. ..	15.90	27.42	00,00	*02*,03	− 232	− 80	. .	. .	12	1000	*12.90*
s	.. ..	..	.. .. ..	.. .. ..	19.60	29.28	00,00	*03*,02	− 10	+ 32	. .	. .	..	....	*13.02*
147. V TELESCOPII. R. A. 19^h $10^m.5$, Dec. −50° 38′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−50°12420	9.5	19 8 36.9	−50 40.0	2.60	5.52	00,00	*02*,03	0	0	. .	. .	..	....	.. ..
a	26351	7.8	19 7 11.4	−50 12 3	*1.95*	14.80	00,00	00,00	− 814	+1661	. .	. .	35	*2*000	7.49
b	19^h 279	8.8	19 6 27.2	−50 51 4	*4.28*	1.75	03,*02*	00,00	−1232	− 675	. .	. .	62	*1*200	7.84
c	19^h 565	8.5	19 13 0.2	−51 2 4	16.38	*1.90*	*03*,02	00,00	+2467	−1328	. .	. .	30	*1*010	8.46
d	19^h 436	8.5	19 10 3.4	−50 33 56	7.20	7.52	00,00	*02*,03	+ 823	+ 358	. .	. .	42	01*11*	8.76
e	−51°12043	9.7	19 11 25.9	−51 3.5	11.40	*2.42*	00,00	*03*,02	+1575	−1421	. .	. .	45	11*11*	9.18

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
147. V Telescopii. R. A. 19h 10m.5, Dec. −50° 38′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
f	−50°12432	9.7	19 10 22.3	−50 42.0	8.25	4.70	00,00	00,00	+1011	− 147	. .	. .	28	*11*10	9.63
g	−50°12427	10.0	19 9 57.2	−50 26.5	6.95	9.92	00,00	03,*02*	+ 779	+ 788	. .	. .	25	1100	9.91
h	−50°12426	10.0	19 9 27.2	−50 51.6	5.28	1.55	02,*03*	00,00	+ 480	− 711	. .	. .	32	2*111*	10.16
k	−50°12412	10.0	19 7 47.0	−50 41.0	0.10	5.40	00,00	00,00	− 448	− 21	. .	. .	30	00*11*	10.48
l	.. ..	..	.. .. ..	.. .. ..	0.78	4.70	02,*03*	00,00	− 326	− 147	. .	. .	28	10*11*	10.78
m	.. ..	..	.. .. ..	.. .. ..	*0.80*	4.68	00,00	02,*03*	− 609	− 150	. .	. .	25	1001	11.06
n	.. ..	..	.. .. ..	.. .. ..	1.80	6.20	00,00	00,00	− 143	+ 122	. .	. .	32	1110	11.31
o	.. ..	..	.. .. ..	.. .. ..	1.78	5.45	02,*03*	00,00	− 147	− 13	. .	. .	32	0100	*11.63*
p	.. ..	..	.. .. ..	.. .. ..	1.30	6.20	00,00	00,00	− 233	+ 122	. .	. .	..	....	*11.95*
148. SW Sagittarii. R. A. 19h 13m.4, Dec. −31° 54′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−31°16579	9.7	19 11 49.0	−31 56.8	5.65	1.26	00,00	*01,01*	0	0	. .	. .	..	....	....
a	−32°15072	9.2	19 12 26.7	−32 6.1	3.08	4.38	*03*,02	*03*,02	+ 460	− 558	. .	. .	25	1001	8.71
b	19h 545	9.0	19 12 31.2	−31 54 37	2.75	0.65	00,00	00,00	+ 519	+ 109	. .	. .	35	0*101*	8.96
c	−31°16583	9.6	19 12 12.2	−31 54.8	4.15	0.65	00,00	00,00	+ 268	+ 109	. .	. .	25	1001	9.31
d	B	10.3	19 11 32.5	−31 54.9	6.95	0.70	00,00	00,00	− 233	+ 100	. .	. .	30	0*1*01	9.56
e	−31°16591	10.0	19 12 35.2	−31 59.8	2.35	2.30	00,00	00,00	+ 591	− 186	. .	. .	22	01*11*	9.86
f	−31°16576	10.0	19 11 32.5	−31 59.8	6.90	2.12	00,00	*02*,03	− 224	− 154	. .	. .	18	00*10*	10.08
g	B	..	.. .. ..	.. .. ..	5.75	1.25	00,00	00,00	− 18	+ 2	. .	. .	*08*	101*1*	10.26
h	.. ..	..	.. .. ..	.. .. ..	3.88	2.10	*03*,02	00,00	+ 317	− 150	. .	. .	32	*1*011	10.18
k	.. ..	..	.. .. ..	.. .. ..	4.72	4.68	02,*02*	*03*,02	+ 166	− 612	. .	. .	18	000*1*	10.50
l	−32°15067	10.0	19 12 11.7	−32 6.2	4.30	4.15	00,00	00,00	+ 242	− 517	. .	. .	08	1*321*	10.68
m	.. ..	..	.. .. ..	.. .. ..	6.35	2.92	00,00	03,*02*	− 125	− 297	. .	. .	38	*1*000	10.76
n	.. ..	..	.. .. ..	.. .. ..	5.20	1.95	00,00	00,00	+ 81	− 124	. .	. .	33	*11*.1	11.14
o	.. ..	..	.. .. ..	.. .. ..	5.62	1.55	03,*02*	00,00	+ 5	− 52	. .	. .	..	....	*11.47*
149. − Sagittae. R. A. 19h 15m.0, Dec. +17° 1′. **150. − Sagittae. R. A. 19h 15m.4, Dec. +17° 5′.**															
			h. m. s.	° ′					″	″	s.	″			
V¹	.. ..	..	19 13 2.7	+16 56.1	8.80	4.80	00,00	00,00	0	0	. .	. .	..	....	....
V²	.. ..	..	19 13 23.4	+16 58.2	10.62	5.59	*02*,*02*	*04*,01	+ 297	+ 129	. .	. .	..	....	....
a	+17° 3930	8.6	19 14 6.5	+17 0.1	14.30	6.35	00,00	00,00	+ 896	+ 253	1.3	*12*	38	1*11*0	9.03
b	+17° 3916	9.3	19 11 24.8	+17 10.1	0.20	9.68	00,00	*03*,02	−1402	+ 795	*0.2*	42	45	1100	9.41
c	+17° 3932	9.4	19 14 17.3	+17 0.1	15.30	6.38	00,00	*03*,02	+1060	+ 258	0.7	*18*	35	*11*00	9.86
d	+17° 3922	9.4	19 12 11.4	+17 2.1	4.30	7.10	00,00	00,00	− 734	+ 375	*0.2*	*12*	20	1*1*00	10.21
e	+16° 3814	9.5	19 12 46.5	+16 53.2	7.48	3.60	02,*03*	00,00	− 215	− 196	*1.2*	24	22	0100	10.41
f	.. ..	..	.. .. ..	.. .. ..	14.70	7.38	00,00	02,*03*	+ 962	+ 421	. .	. .	25	0110	10.63
g	.. ..	..	.. .. ..	.. .. ..	9.18	2.92	02,*03*	*02*,03	+ 62	− 306	. .	. .	28	000*1*	10.88
h	+16° 3818	9.5	19 13 34.8	+16 51.4	11.65	3.20	00,00	00,00	+ 465	− 261	*0.3*	*24*	10	001*1*	11.16
k	.. ..	..	.. .. ..	.. .. ..	9.12	1.60	03,*02*	00,00	+ 52	− 522	. .	. .	35	*11*00	11.26
l	.. ..	..	.. .. ..	.. .. ..	4.58	8.30	*03*,02	00,00	− 688	+ 570	. .	. .	32	0001	11.61
m	.. ..	..	.. .. ..	.. .. ..	8.90	3.55	00,00	00,00	+ 16	− 204	. .	. .	40	*1*.01	11.93
n	.. ..	..	.. .. ..	.. .. ..	8.95	4.05	00,00	00,00	+ 24	− 122	. .	. .	30	...0	12.33
o	.. ..	..	.. .. ..	.. .. ..	11.60	5.88	00,00	*03*,02	+ 456	+ 176	. .	. .	20	...0	12.63
p	.. ..	..	.. .. ..	.. .. ..	9.70	4.48	00,00	02,*03*	+ 147	− 52	. .	. .	..	....	12.83

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
151. Nova Aquilae, No. 1. R. A. 19h 15m.3, Dec. −0° 19′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	19 12 58.2	− 0 24.2	13.63	4.74	*03*,02	01,01	0	0	..	..	..	....	....
a	− 0° 3725	5.0	19 14 54.2	− 0 33.0	23.38	2.40	*03*,02	00,00	+1745	− 419	..	..	105	1001	7.31
b	− 0° 3718	9.0	19 14 4.4	− 0 13.4	19.12	8.52	03,*02*	*02*,03	+ 983	+ 677	0.6	*30*	08	0001	8.36
c	− 0° 3705	8.7	19 12 16.7	− 0 18.4	10.20	6.58	00,00	*03*,02	− 614	+ 329	*0.5*	18	25	1001	8.44
d	− 0° 3726	8.7	19 15 13.7	− 0 34.0	24.95	1.75	00,00	00,00	+2026	− 535	..	..	18	*11*10	8.69
e	− 0° 3694	8.9	19 10 23.6	− 0 18.4	0.68	6.40	02,*03*	00,00	−2318	+ 297	..	..	40	0*1*01	8.87
f	− 0° 3719	9.3	19 14 4.6	− 0 1.0	18.80	12.40	00,00	00,00	+ 925	+1371	..	..	45	1010	9.27
g	− 0° 3706	9.4	19 12 28.6	− 0 1.1	11.18	12.40	*03*,02	00,00	− 439	+1371	*0.4*	12	25	0002	9.72
h	− 0° 3709	9.5	19 13 1.1	− 0 6.9	13.80	10.70	00,00	00,00	+ 30	+1067	0.9	*30*	55	0*11*0	9.97
k	− 0° 3713	9.5	19 13 35.2	− 0 28.7	13.80	3.30	00,00	00,00	+ 30	− 258	..	..	12	101*1*	10.52
l	− 0° 3711	9.5	19 13 18.8	− 0 31.5	15.40	2.32	00,00	03,*02*	+ 317	− 433	*0.5*	*6*	25	0101	10.64
m	.. ..	..	.. .. ..	.. .. ..	11.58	2.65	02,*03*	00,00	− 367	− 374	..	..	38	1*1*0*1*	10.89
n	.. ..	..	.. .. ..	.. .. ..	14.75	5.90	00,00	00,00	+ 200	+ 208	..	..	22	1000	11.27
o	− 0° 3710	9.5	19 13 13.0	− 0 26.5	14.90	3.80	00,00	00,00	+ 227	− 168	*0.4*	30	28	*1*10*1*	11.49
p	.. ..	..	.. .. ..	.. .. ..	16.15	1.28	00,00	*03*,02	+ 451	− 619	..	..	30	*1*100	11.77
q	.. ..	..	.. .. ..	.. .. ..	14.45	3.65	00,00	00,00	+ 147	− 195	..	..	20	0000	12.07
r	.. ..	..	.. .. ..	.. .. ..	13.15	3.72	00,00	03,*02*	− 86	− 188	..	..	18	10*11*	12.27
s	.. ..	..	.. .. ..	.. .. ..	13.25	4.80	00,00	00,00	− 68	+ 11	..	..	25	0020	12.45
t	.. ..	..	.. .. ..	.. .. ..	12.80	5.40	00,00	00,00	− 238	+ 118	..	..	30	010*1*	12.70
u	.. ..	..	.. .. ..	.. .. ..	13.00	4.90	00,00	00,00	− 113	+ 29	..	..	30	0000	*13.00*
w	.. ..	..	.. .. ..	.. .. ..	4.90	3.30	00,00	00,00	− 18	− 144	..	..	28	00*1*0	*13.30*
x	.. ..	..	.. .. ..	.. .. ..	4.85	7.38	00,00	02,*03*	− 21	+ 101	..	..	20	0000	*13.58*
y	.. ..	..	.. .. ..	.. .. ..	5.35	6.70	00,00	00,00	+ 9	+ 60	..	..	..	....	*13.78*
152. RR Lyrae. R. A. 19h 22m.3, Dec. +42° 36′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	+42° 3338	7.5	19 20 50.5	+42 30.8	11.13	12.15	*03*,02	00,00	0	0	..	..	..	....	....
a	+43° 3229	5.6	19 19 21.3	+43 6.5	5.20	25.40	00,00	00,00	− 967	+2160	..	..	15	0*112*	6.85
b	+42° 3325	6.5	19 18 23.5	+42 41.2	1.18	16.40	*03*,02	00,00	−1622	+ 693	..	..	30	1*1*00	7.00
c	+41° 3352	7.5	19 22 42.3	+41 56.0	18.60	*0.40*	00,00	00,00	+1218	−2046	..	..	62	*1*011	7.30
d	+42° 3351	8.4	19 23 16.0	+42 27.6	21.00	11.52	00,00	*02*,03	+1609	− 103	..	..	45	*1*021	7.92
e	+42° 3331	8.6	19 19 41.0	+42 39.1	6.30	15.20	00,00	00,00	− 787	+ 497	..	..	68	*21*20	8.37
f	+42° 3342	9.2	19 21 48.1	+42 46.0	14.95	18.32	00,00	*02*,03	+ 623	+1006	..	..	48	0*2*01	9.05
g	+42° 3334	9.4	19 20 23.6	+42 25.3	9.35	9.95	00,00	00,00	− 290	− 359	..	..	60	1*11*1	9.53
h	+42° 3333	9.1	19 20 2.0	+42 19.7	7.75	8.40	00,00	00,00	− 551	− 611	..	..	40	*1122*	10.13
k	+42° 3339	9.5	19 21 14.7	+42 26.0	13.10	10.65	00,00	00,00	+ 321	− 244	..	..	38	*1*1*1*0	10.53
l	.. ..	..	.. .. ..	.. .. ..	12.10	11.25	00,00	00,00	+ 158	− 147	..	..	48	10*2*0	10.91
m	.. ..	..	.. .. ..	.. .. ..	10.20	14.55	00,00	00,00	− 152	+ 391	..	..	35	2*121*	11.39
n	.. ..	..	.. .. ..	.. .. ..	10.30	10.65	00,00	00,00	− 135	− 244	..	..	20	00.0	11.74
o	.. ..	..	.. .. ..	.. .. ..	10.75	11.40	00,00	00,00	− 62	− 122	..	..	23	10.0	11.94
p	.. ..	..	.. .. ..	.. .. ..	11.20	12.55	00,00	00,00	+ 11	+ 65	..	..	..	....	12.17
153. − Sagittarii. R. A. 19h 28m.6, Dec. −16° 35′.															
			h. m. s.	° ′					″	″	s.	″			
V	−16° 5360	7.2	19 26 0.2	−16 41.3	10.38	4.45	02,02	00,00	0	0	..	..	..	....	....
a	−16° 5357	8.0	19 25 40.1	−16 35.2	8.75	6.48	00,00	02,*03*	− 292	+ 363	..	..	22	1000	7.81

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
153. – Sagittarii. R. A. 19^{h} $28^{m}.6$, Dec. −16° 35′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
b	−16° 5351	8.0	19 25 1.0	−16 55,2	5.70	0.28	00,00	03,02	− 838	− 847	. .	. .	28	1110	8.03
c	−16° 5345	9.0	19 24 12.5	−16 34,7	1.75	6.55	00,00	00,00	−1545	+ 376	. .	. .	40	1001	8.31
d	−16° 5346	9.0	19 24 19.6	−16 37.6	2.35	5.60	00,00	00,00	−1437	+ 206	. .	. .	45	1010	8.71
e	−16° 5347	9.5	19 24 30.7	−16 13.7	3.25	13.60	00,00	00,00	−1276	+1638	. .	. .	40	0011	9.16
f	−16° 5348	9.1	19 24 37.6	−16 37.6	3.78	5.70	03,02	00,00	−1181	+ 224	. .	. .	12	0010	9.56
g	−16° 5362	9.5	19 26 29.1	−16 50.5	12.62	1.42	02,03	03,02	+ 401	− 542	. .	. .	28	0001	9.68
h	−16° 5363	9.1	19 26 34.6	−16 26.5	13.15	9.52	00,00	02,03	+ 496	+ 908	. .	. .	38	0001	9.96
k	.. ..	..	.. .. ..	.. .. ..	9.30	6.10	00,00	00,00	− 193	+ 295	. .	. .	25	0110	10.34
l	.. ..	..	.. .. ..	.. .. ..	6.55	6.12	00,00	02,03	− 686	+ 299	. .	. .	30	0211	10.59
m	.. ..	..	.. .. ..	.. .. ..	9.35	4.10	00,00	00,00	− 184	− 63	. .	. .	30	0110	10.89
n	.. ..	..	.. .. ..	.. .. ..	9.70	5.40	00,00	00,00	− 122	+ 170	. .	. .	..	....	11.19
154. TT Cygni. R. A. 19^{h} $37^{m}.1$, Dec. +32° 23′.															
			h. m. s.	° ′					″	″	s.	″			
V	+32° 3522	8.0	19 35 23.5	+32 17.0	12.24	14.09	04,01	01,01	0	0	. .	. .	..	....	....
a	+31° 3699	8.8	19 33 8.0	+31 40.2	1.70	0.65	00,00	00,00	−1718	−2191	. .	. .	45	1010	8.48
b	+31° 3718	8.4	19 35 10.7	+31 52.1	11.32	4.90	02,03	00,00	− 150	−1498	. .	. .	25	0110	8.93
c	+32° 3523	9.2	19 35 42.4	+32 7.5	13.80	10.62	00,00	02,03	+ 254	− 566	. .	. .	35	1111	9.18
d	+32° 3514	9.1	19 33 48.2	+32 16.0	4.82	13.60	03,02	00,00	−1209	− 80	. .	. .	35	0011	9.53
e	.. ..	..	.. .. ..	.. .. ..	5.90	16.30	00,00	00,00	−1033	+ 360	. .	. .	35	1001	9.88
f	+32° 3520	9.3	19 35 7.9	+32 20.7	11.05	15.50	00,00	00,00	− 194	+ 230	. .	. .	32	0001	10.23
g	+32° 3516	9.4	19 34 0.0	+32 11.9	5.80	12.25	00,00	00,00	−1050	− 300	. .	. .	35	0101	10.55
h	.. ..	..	.. .. ..	.. .. ..	12.55	16.35	00,00	00,00	+ 51	+ 368	. .	. .	38	0010	10.90
k	.. ..	..	.. .. ..	.. .. ..	12.80	15.58	00,00	02,03	+ 91	+ 243	. .	. .	35	0101	11.28
l	.. ..	..	.. .. ..	.. .. ..	12.00	13.65	00,00	00,00	− 89	− 72	. .	. .	28	0100	11.63
m	.. ..	..	.. .. ..	.. .. ..	13.25	13.65	00,00	00,00	+ 165	− 72	. .	. .	38	1000	11.91
n	.. ..	..	.. .. ..	.. .. ..	11.65	14.05	00,00	00,00	− 96	− 7	. .	. .	..	....	12.29
155. T Pavonis. R. A. 19^{h} $39^{m}.5$, Dec. −72° 1.′															
			h. m. s.	° ′					″	″	s.	″			
V	−72° 2452	8.8	19 36 38.8	−72 4.6	10.65	12.50	00,00	00,00	0	0	. .	. .	..	....	....
a	27094	7.5	19 39 56.6	−71 43 6	5.98	19.95	03,02	00,00	+ 836	+1334	. .	. .	58	1000	7.34
b	27157	7.8	19 43 0.3	−72 26 7	0.58	5.85	02,03	00,00	+1808	−1190	. .	. .	50	0101	7.92
c	−71° 2438	8.8	19 27 7.9	−71 44.9	26.00	17.65	00,00	00,00	−2748	+ 922	. .	. .	38	1000	8.42
d	19^{h} 1771	9.0	19 42 1.1	−72 40 22	1.75	1.00	00,00	00,00	+1593	−2058	. .	. .	32	0001	8.80
e	−72° 2448	9.0	19 35 41.8	−72 10.9	11.90	10.28	00,00	02,03	− 224	− 397	. .	. .	30	0000	9.12
f	·26991	8.8	19 35 24.9	−72 6 7	12.55	11.72	00,00	02,03	− 340	− 140	. .	. .	32	0100	9.42
g	−72° 2455	9.5	19 38 27.3	−72 20.1	7.52	7.42	03,02	02,03	+ 560	− 909	. .	. .	40	0101	9.74
h	−72° 2442	10.0	19 34 35.8	−72 14.5	13.58	8.82	02,03	02,03	− 524	− 659	. .	. .	25	1001	10.14
k	−72° 2444	10.3	19 34 44.8	−72 11.8	13.40	9.75	00,00	00,00	− 492	− 492	. .	. .	30	1001	10.39
l	.. ..	..	.. .. ..	.. .. ..	8.88	11.95	02,03	00,00	+ 317	− 98	. .	. .	32	1011	10.69
m	.. ..	..	.. .. ..	.. .. ..	10.60	10.25	00,00	00,00	+ 9	− 403	. .	. .	18	1000	11.01
n	.. ..	..	.. .. ..	.. .. ..	11.30	12.05	00,00	00,00	− 116	− 81	. .	. .	22	0001	11.19
o	.. ..	..	.. .. ..	.. .. ..	10.45	9.55	00,00	00,00	+ 36	− 528	. .	. .	30	0000	11.41
p	.. ..	..	.. .. ..	.. .. ..	10.40	11.55	00,00	00,00	+ 45	− 170	. .	. .	23	1000	11.71

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
155. T Pavonis. R. A. 19h 39m.5, Dec. −72° 1′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
q	.. ..	..	.. .. ..	.. .. ..	10.30	11.50	00,00	00,00	+ 63	− 179	..	..	25	1001	11.94
r	.. ..	..	.. .. ..	.. .. ..	9.58	9.90	*03*,02	00,00	+ 192	− 465	..	..	..	....	12.19
156. − Sagittarii. R. A. 19h 40m.6, Dec. −41° 25′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−41°13684	9.3	19 38 54.7	−41 28.5	11.78	11.10	02,02	00,00	0	0	..	..	..	....	....
a	−41°13689	8.5	19 39 16.3	−41 44.6	13.15	5.90	00,00	00,00	+ 245	− 931	..	..	38	11*12*	7.80
b	−41°13682	9.0	19 38 44.1	−41 26.5	11.15	11.80	00,00	00,00	− 113	+ 125	..	..	42	020*1*	8.18
c	−41°13655	8.5	19 35 56.2	−41 24.3	0.52	12.55	*02*,03	00,00	−2016	+ 260	..	..	52	03*11*	8.60
d	−41°13659	9.4	19 36 23.0	−41 56.2	2.28	1.90	*03*,02	00,00	−1700	−1647	..	..	10	1*2*1*1*	9.12
e	−41°13676	9.6	19 38 7.7	−41 35.5	8.80	8.85	00,00	00,00	− 533	− 403	..	..	32	0*1*11	9.22
f	−41°13681	9.5	19 38 39.6	−41 39.6	10.85	7.55	00,00	00,00	− 166	− 635	..	..	22	0001	9.54
g	−41°13683	9.3	19 38 45.3	−41 34.0	11.20	9.58	00,00	*03*,02	− 104	− 272	..	..	28	*11*10	9.76
h	−41°13686	9.5	19 38 58.2	−41 42.0	11.90	6.90	00,00	00,00	+ 21	− 752	..	..	25	1100	10.04
k	−41°13679	10.0	19 36 26.2	−41 44.5	10.10	6.10	00,00	00,00	− 301	− 895	..	..	50	1*1*00	10.29
l	−41°13688	10.0	19 39 15.2	−41 30.6	13.18	10.42	02,*03*	03,*02*	+ 251	− 122	..	..	30	*1*010	10.79
m	.. ..	..	.. .. ..	.. .. ..	11.60	8.65	00,00	00,00	− 32	− 439	..	..	30	*1*100	11.09
n	.. ..	..	.. .. ..	.. .. ..	12.95	9.55	00,00	00,00	+ 209	− 277	..	..	..	....	11.39
157. RT Cygni. R. A. 19h 40m.8, Dec. +48° 32′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	+48° 2942	7.1	19 39 32.9	+48 25.5	12.33	5.40	02,*03*	00,00	0	0	..	..	..	....	....
a	+48° 2943	8.0	19 39 35.2	+48 34.9	12.40	8.75	00,00	00,00	+ 11	+ 546	..	..	48	0*1*00	7.74
b	+48° 2950	8.6	19 42 54.6	+48 33.9	24.60	9.02	00,00	*02*,03	+2000	+ 590	..	..	25	0101	8.22
c	+48° 2941	8.0	19 39 21.0	+48 13.0	11.88	1.32	*03*,02	*02*,03	− 73	− 665	..	..	38	*11*10	8.47
d	+48° 2933	8.2	19 36 17.4	+48 35.9	0.88	9.30	02,*03*	00,00	−1948	+ 636	..	..	32	*1*110	8.85
e	.. ..	..	.. .. ..	.. .. ..	12.20	6.60	00,00	00,00	− 21	+ 196	..	..	40	*11*1*1*	9.17
f	.. ..	..	.. .. ..	.. .. ..	17.52	6.62	*02*,03	*02*,03	+ 846	+ 199	..	..	22	0001	9.57
g	.. ..	..	.. .. ..	.. .. ..	13.20	6.00	00,00	00,00	+ 142	+ 98	..	..	42	1000	9.79
h	.. ..	..	.. .. ..	.. .. ..	12.75	5.40	00,00	00,00	+ 68	0	..	..	22	0010	10.21
k	.. ..	..	.. .. ..	.. .. ..	10.42	4.32	*02*,03	*02*,03	− 34	− 176	..	..	28	000*1*	10.43
l	.. ..	..	.. .. ..	.. .. ..	10.00	5.32	00,00	*02*,03	− 380	− 13	..	..	28	00*1*0	10.71
m	.. ..	..	.. .. ..	.. .. ..	12.40	5.68	00,00	02,*03*	+ 11	+ 46	..	..	..	....	10.99
158. W Telescopii. R. A. 19h 43m.1, Dec. −50° 15′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	19 41 10.0	−50 19 18	8.34	7.42	*04*,01	*02*,*02*	0	0	..	..	..	....	....
a	−50°12705	9.4	19 43 9.2	−50 14.5	9.62	9.25	*02*,03	00,00	+1124	+ 328	..	..	30	*1*100	8.90
b	−50°12699	9.3	19 42 23.0	−50 8.0	7.12	11.30	*02*,03	00,00	+ 677	+ 695	*0.7*	0	30	0000	9.20
c	−50°12693	9.7	19 40 45.4	−50 13.8	1.90	9.28	00,00	02,*03*	− 258	+ 333	1.2	*8*	18	*1*000	9.50
d	−50°12702	9.7	19 42 53.8	−50 15.3	8.75	8.82	00,00	03,*02*	+ 968	+ 251	..	..	25	0011	9.68
e	−50°12697	9.9	19 41 38.5	−50 27.9	5.10	4.58	00,00	*03*,02	+ 315	− 508	*2.1*	3	18	0*1*00	9.93
f	−50°12694	9.7	19 41 4.4	−50 37.8	8.30	1.25	00,00	00,00	− 7	−1104	0.3	*6*	25	1100	10.11
g	−50°12690	10.0	19 40 35.8	−50 24.4	1.58	5.60	02,*03*	00,00	− 315	− 326	0.5	9	20	0000	10.36

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
158. W TELESCOPII. R. A. 19h 43m.1, Dec. −50° 15′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
h	.. ..	..	.. .. ..	.. .. ..	5.40	11.22	00,00	*02*,03	+ 369	+ 680	..	..	18	00*1*0	10.56
k	.. ..	..	.. .. ..	.. .. ..	4.42	9.75	03,*02*	00,00	+ 193	+ 417	..	..	25	1010	10.74
l	.. ..	..	.. .. ..	.. .. ..	2.78	9.70	*03*,02	00,00	− 100	+ 408	..	..	25	1100	10.99
m	.. ..	..	.. .. ..	.. .. ..	2.72	7.72	*02*,03	*02*,03	− 111	+ 54	..	..	25	0110	11.24
n	.. ..	..	.. .. ..	.. .. ..	7.20	8.65	00,00	00,00	+ 691	+ 220	..	..	25	0011	11.49
o	.. ..	..	.. .. ..	.. .. ..	2.90	8.82	00,00	*02*,03	− 79	+ 251	..	..	28	00*1*0	11.74
p	.. ..	..	.. .. ..	.. .. ..	3.50	7.75	00,00	00,00	+ 29	+ 59	..	..	20	0000	12.02
q	.. ..	..	.. .. ..	.. .. ..	4.15	7.40	00,00	00,00	+ 145	− 4	..	..	22	0001	12.22
r	.. ..	..	.. .. ..	.. .. ..	4.45	8.00	00,00	00,00	+ 199	+ 104	..	..	18	*1*000	*12.44*
s	.. ..	..	.. .. ..	.. .. ..	2.65	7.45	00,00	00,00	− 124	+ 5	..	..	15	..*10*	*12.62*
t	.. ..	..	.. .. ..	.. .. ..	3.20	7.35	00,00	00,00	− 25	− 13	..	..	..	....	*12.77*
159. X AQUILAE. R. A. 19h 46m.5, Dec. +4° 13′.															
			h. m. s.	° ′					″	″	s.	″			
V	+ 4° 4250	9.5	19 44 16.5	+ 4 5.9	16.83	1.16	02,02	*01,01*	0	0	..	..	..	....	....
a	+ 3° 4172	6.8	19 44 13.7	+ 3 43.6	17.20	9.40	00,00	00,00	− 60	− 1343	..	..	60	10*1*0	7.53
b	+ 3° 4186	8.9	19 47 8.5	+ 3 35.4	1.10	12.25	00,00	00,00	+ 2564	− 1808	..	..	58	*2*20*1*	8.13
c	+ 4° 4243	7.8	19 43 38.3	+ 4 4.0	20.35	1.50	00,00	00,00	− 574	− 55	..	..	20	1*2*01	8.71
d	+ 3 4170	8.7	19 44 1.2	+ 3 53.0	18.25	5.70	00,00	00,00	− 231	− 740	..	..	48	*1*10*1*	8.91
e	+ 3 4176	8.6	19 45 6.1	+ 3 55.0	12.35	5.08	00,00	*03*,02	+ 730	− 639	..	..	22	101*1*	9.39
f	+ 3 4174	9.3	19 44 56.9	+ 3 43.3	13.10	9.35	00,00	00,00	+ 608	− 1335	..	..	20	*1*001	9.61
g	+ 4 4242	9.5	19 43 20.3	+ 4 6.9	22.20	0.70	00,00	00,00	− 875	+ 75	..	..	50	*1*20*1*	9.81
h	+ 4 4255	9.5	19 44 55.4	+ 4 12.2	13.32	*1.45*	03,*02*	00,00	+ 572	+ 425	..	..	30	1*1*00	10.31
k	.. ..	..	.. .. ..	.. .. ..	11.38	1.98	02,*03*	02,*03*	+ 888	− 134	..	..	22	0001	10.61
l	.. ..	..	.. .. ..	.. .. ..	14.20	*1.32*	00,00	*03*,02	+ 429	+ 404	..	..	25	0200	10.83
m	.. ..	..	.. .. ..	.. .. ..	14.75	0.35	00,00	00,00	+ 339	+ 182	..	..	32	1000	11.08
n	.. ..	..	.. .. ..	.. .. ..	18.15	3.25	00,00	00,00	− 215	− 341	..	..	28	1*1*0*1*	11.40
o	.. ..	..	.. .. ..	.. .. ..	17.05	1.98	00,00	*03*,02	− 36	− 134	..	..	27	.*1*00	11.68
p	.. ..	..	.. .. ..	.. .. ..	14.85	0.95	00,00	00,00	+ 323	+ 34	..	..	..	....	11.95
160. S PAVONIS. R. A. 19h 46m.8, Dec. −59° 27′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	27193	7.5	19 44 39.4	−59 30 56	11.73	9.30	*03*,*03*	00,00	0	0	..	..	..	....	....
a	27113	8.0	19 40 53.3	−58 49 4	1.90	23.20	00,00	00,00	− 1760	+ 2488	..	..	35	*111*1	7.74
b	27333	8.0	19 51 22.4	−59 47 10	28.70	3.70	00,00	00,00	+ 3038	− 1002	..	..	18	*1*10*1*	8.09
c	27251	8.2	19 47 14.4	−59 51 14	18.25	2.50	00,00	00,00	+ 1167	− 1217	..	..	50	0*1*10	8.27
d	−59° 7558	8.7	19 48 51.0	−59 8.3	22.45	16.75	00,00	00,00	+ 1919	+ 1334	..	..	32	*1*002	8.77
e	−59° 7557	9.1	19 48 42.0	−59 55.5	21.85	1.10	00,00	00,00	+ 1811	− 1468	..	..	12	101*1*	9.09
f	−59° 7545	9.2	19 44 52.5	−59 43.5	12.30	5.10	00,00	00,00	+ 102	− 752	..	..	82	1*11*2	9.21
g	−59° 7543	10.0	19 44 31.5	−59 37.5	11.38	7.15	02,*03*	00,00	− 63	− 385	..	..	48	*1*000	10.03
h	.. ..	..	.. .. ..	.. .. ..	9.90	5.60	00,00	00,00	− 328	− 662	..	..	10	0000	10.51
k	.. ..	..	.. .. ..	.. .. ..	16.00	7.50	00,00	00,00	+ 764	− 822	..	..	50	*1111*	10.61
l	.. ..	..	.. .. ..	.. .. ..	10.40	6.80	00,00	00,00	− 238	− 448	..	..	25	2000	11.11
m	.. ..	..	.. .. ..	.. .. ..	14.85	9.58	00,00	*03*,02	+ 558	+ 50	..	..	22	1000	11.36
n	.. ..	..	.. .. ..	.. .. ..	15.35	10.25	00,00	00,00	+ 648	+ 170	..	..	..	....	11.58

Des.	Cat. No.	Magn.	R. A.	Dec.	*x*	*y*	Δ*x*	Δ*y*	*x*	*y*	Δα	Δδ	Mean.	Resid.	Magn.
161. RR Sagittarii. R. A. 19h 49m.7, Dec. −29° 27′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	27271	8.5	19 48 9.4	−29 30 59	4.86	6.80	*01,01*	00,00	0	0	. .	..	..	....	....
a	27376	7.5	19 52 51.7	−28 55 32	25.25	19.10	00,00	00,00	+3650	+2202	. .	..	48	000*1*	7.70
b	27337	8.2	19 51 26.9	−29 11 23	19.15	13.62	00,00	*02*,03	+2558	+1221	. .	..	32	101*1*	8.18
c	27267	8.8	19 47 57.3	−29 32 6	4.08	6.40	02,*03*	00,00	− 140	− 72	. .	..	02	1000	8.50
d	27261	8.2	19 47 43.6	−29 25 19	2.95	8.68	00,00	*03*,02	− 342	+ 387	. .	..	48	*11*10	8.52
e	19h 2063	9.3	19 49 54.5	−29 24 50	12.40	9.10	00,00	00,00	+1350	+ 412	. .	..	30	0*1*10	9.00
f	19h 2048	9.5	19 49 27.4	−29 46 9	10.62	1.88	*02*,03	*03*,02	+1031	− 881	. .	..	35	*1*0*1*0	9.30
g	−29°16699	8.7	19 51 21.8	−29 51.4	18.90	0.85	00,00	00,00	+2513	−1155	. .	..	62	10*1*1	9.65
h	−29°16631	9.5	19 47 35.4	−29 23.9	2.42	9.15	03,*02*	00,00	− 437	+ 421	. .	..	40	1*2*10	10.27
k	−29°16660	9.5	19 49 0.9	−29 46.1	8.70	1.80	00,00	00,00	+ 687	− 895	. .	..	25	0110	10.67
l	−29°16639	9.8	19 47 51.0	−29 29.8	3.55	7.15	00,00	00,00	− 234	+ 63	. .	..	45	1100	10.92
m	−29°16656	9.5	19 48 46.4	−29 30.2	7.40	7.30	00,00	00,00	+ 455	+ 90	. .	..	30	01*1*0	11.37
n	−29°16635	9.7	19 47 42.2	−29 22.6	2.90	10.15	00,00	00,00	− 351	+ 600	. .	..	20	0000	11.67
o	−29°16647	9.8	19 48 12.6	−29 26.6	5.10	8.45	00,00	00,00	+ 43	+ 295	. .	..	23	01.0	11.87
p	−29°16649	10.0	19 48 17.4	−29 31.7	5.50	6.80	00,00	00,00	+ 115	0	. .	..	25	.1.0	12.10
q	.. ..	..	.. .. ..	.. .. ..	4.38	5.42	*03*,02	03,*02*	− 86	− 247	. .	..	30	...0	12.35
r	.. ..	..	.. .. ..	.. .. ..	4.82	7.38	*02*,03	02,*03*	− 7	+ 104	. .	..	..	....	*12.65*
162. RU Sagittarii. R. A. 19h 51m.8, Dec. −42° 7′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	27305	8.0	19 50 6.7	−42 10 49	6.75	6.25	00,00	00,00	0	0	. .	..	..	....	....
a	27411	7.5	19 54 7.7	−41 45 42	....	....	....	....	....	....	. .	..	82	1*1*01	7.*43*
b	19h 2157	9.0	19 52 27.1	−42 12 41	15.42	5.60	*02*,03	00,00	+1552	− 116	. .	..	10	100*1*	8.25
c	27312	7.8	19 50 33.7	−42 9 52	8.40	6.55	00,00	00,00	+ 295	+ 54	. .	..	20	0*1*10	8.35
d	−41°13797	var.	19 51 33.6	−41 55.4	12.15	11.30	00,00	00,00	+ 967	+ 904	. .	..	35	0*11*0	8.55
e	27366	9.0	19 52 19.4	−42 21 38	15.00	2.62	00,00	*02*,03	+1477	− 650	. .	..	38	0*1*00	8.90
f	−42°14570	9.2	19 48 51.3	−42 22.3	2.20	2.30	00,00	00,00	− 814	− 707	. .	..	35	00*11*	9.28
g	−41°13779	9.3	19 49 33.5	−41 56.9	4.68	10.90	02,*03*	00,00	− 371	+ 832	. .	..	85	*2*211	9.68
h	27306	9.2	19 50 12.2	−42 9 59	7.15	6.50	00,00	00,00	+ 72	+ 45	. .	..	38	*2*100	10.48
k	−42°14581	10.0	19 49 54.9	−42 8.9	6.18	6.90	02,*03*	00,00	− 102	+ 116	. .	..	80	02*11*	10.86
l	−42°14587	10.0	19 50 28.6	−42 17.0	8.20	4.12	00,00	*02*,03	+ 260	− 381	. .	..	38	1*1*0*1*	11.66
m	.. ..	..	.. .. ..	.. .. ..	7.62	6.15	*02*,03	00,00	+ 156	− 18	. .	..	35	*1*0*1*0	12.04
n	.. ..	..	.. .. ..	.. .. ..	6.72	6.65	03,*02*	00,00	− 5	+ 72	. .	..	..	....	12.39
163. RS Aquilae. R. A. 19h 53m.7, Dec. −8° 9′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	19 51 17.8	− 8 16.5	8.08	6.45	*03*,02	00,00	0	0	. .	..	..	....	....
a	− 8° 5178	8.5	19 50 22.4	− 8 24.6	3.55	3.80	00,00	00,00	− 811	− 474	. .	..	20	0000	8.08
b	− 8° 5186	7.8	19 51 34.4	− 8 28.7	9.50	2.35	00,00	00,00	+ 254	− 734	. .	..	28	000*1*	8.28
c	− 8° 5175	8.8	19 49 38.3	− 8 28.1	*0.05*	2.30	00,00	00,00	−1437	− 743	. .	..	38	0*1*00	8.56
d	− 8° 5185	9.1	19 51 22.3	− 8 5.6	8.35	10.00	00,00	00,00	+ 48	+ 635	. .	..	42	*1*011	8.94
e	− 7° 5123	9.4	19 50 36.0	− 7 56.7	4.60	12.92	00,00	03,*02*	− 623	+1158	. .	..	32	*1*110	9.36
f	− 8° 5188	9.8	19 51 46.4	− 8 14.8	10.40	7.12	00,00	*02*,03	+ 415	+ 120	. .	..	25	0020	9.68
g	− 8° 5183	9.4	19 51 10.0	− 8 4.6	7.35	10.25	00,00	00,00	− 131	+ 680	. .	..	38	*1*0*2*2	9.93
h	.. ..	..	.. .. ..	.. .. ..	10.35	6.72	00,00	03,*02*	+ 406	+ 48	. .	..	45	0*1*21	10.31

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
163. RS AQUILAE. R. A. 19h 53m.7, Dec. −8° 9′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
k	.. ..	..	.. .. ..	.. .. ..	7.00	9.42	00,00	03,*02*	− 193	+ 532	. .	..	60	1*1*00	10.76
l	.. ..	..	.. .. ..	.. .. ..	8.80	6.50	00,00	00,00	+ 129	+ 9	. .	..	52	*1*020	11.36
m	.. ..	..	.. .. ..	.. .. ..	6.55	6.08	00,00	02,*03*	− 274	− 66	. .	..	30	01.*1*	11.88
n	.. ..	..	.. .. ..	.. .. ..	9.95	6.72	00,00	03,*02*	+ 335	+ 48	. .	..	..	....	12.18
164. − SAGITTARII. R. A. 20h 0m.8, Dec. −27° 31′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	27520	8.0	19 59 16.4	−27 34 46	14.67	18.65	*02,02*	00,00	0	0	. .	..	..	....	....
a	27491	8.0	19 57 36.6	−28 9 49	7.35	6.90	00,00	00,00	−1310	−2103	. .	..	22	0100	7.84
b	27473	8.0	19 56 44.8	−28 5 44	3.58	8.30	*03*,02	00,00	−1985	−1858	. .	..	48	00*1*0	8.06
c	19h 2299	9.0	19 56 27.0	−28 22 2	2.28	2.80	*03*,02	00,00	−2218	−2837	. .	..	22	*2*201	8.54
d	27550	9.0	20 0 47.8	−27 21 57	21.40	23.00	00,00	00,00	+1205	+ 779	. .	..	25	11*1*1	8.76
e	27564	9.0	20 1 24.3	−28 18 45	24.20	4.10	00,00	00,00	+1706	−2604	. .	..	58	*1*000	9.01
f	−27° 14513	9.2	19 57 27.8	−27 38.3	6.60	17.40	00,00	00,00	−1445	− 224	. .	..	22	1000	9.59
g	−27° 14499	9.7	19 56 34.5	−27 59.8	2.75	10.30	00,00	00,00	−2134	−1495	. .	..	25	0101	9.81
h	−27° 14524	9.1	19 58 28.7	−27 47.0	11.22	14.60	*02*,03	00,00	− 618	− 725	. .	..	32	*1*200	10.06
k	−27° 14540	10.0	19 59 34.8	−27 32.4	16.00	19.62	00,00	*02*,03	+ 238	+ 174	. .	..	00	0000	10.38
l	−27° 14536	9.5	19 59 19.8	−27 28.2	14.88	20.80	02,*03*	00,00	+ 38	+ 385	. .	..	28	01*2*0	10.38
m	−27° 14531	9.7	19 59 6.9	−27 45.8	14.18	15.30	02,*03*	00,00	− 88	− 600	. .	..	38	10*11*	10.66
n	−27° 14544	9.9	19 59 50.7	−27 33.2	17.25	19.85	00,00	00,00	+ 462	+ 215	. .	..	22	0010	11.04
o	.. ..	..	.. .. ..	.. .. ..	11.90	20.45	00,00	00,00	− 496	+ 322	. .	..	22	1000	11.26
p	−27° 14535	10.0	19 59 17.6	−27 37.8	14.82	17.55	*02*,03	00,00	+ 27	− 197	. .	..	32	00*12*	11.48
q	.. ..	..	.. .. ..	.. .. ..	14.18	18.95	02,*03*	00,00	− 88	+ 54	. .	..	..	....	11.80
165. − AQUILAE. R. A. 20h 2m.3, Dec. +12° 39.′															
			h. m. s.	° ′					″	″	s.	″			
V	+12° 4228	8.8	20 0 14.8	+12 31.2	4.95	17.30	00,00	00,00	0	0	. .	..	..	....	....
a	+12° 4226	7.4	19 59 55.3	+12 31.4	*0.50*	16.50	00,00	00,00	− 327	− 48	. .	..	02	0001	7.45
b	+12° 4236	8.0	20 2 13.7	+12 36.4	33.28	20.98	02,*03*	*03*,02	+1700	+ 221	. .	..	68	0*111*	7.47
c	+12° 4209	7.3	19 57 52.0	+12 36.9	*30.72*	21.22	*03*,02	*02*,03	−2140	+ 235	. .	..	25	1100	8.15
d	+12° 4225	7.0	19 59 45.6	+12 17.2	*2.90*	1.15	00,00	00,00	− 471	− 969	. .	..	28	1*11*0	8.40
e	+12° 4212	8.5	19 58 46.7	+12 42.2	*17.10*	27.30	00,00	00,00	−1323	+ 600	. .	..	50	010*1*	8.68
f	+12° 4223	9.1	19 59 41.8	+12 28.1	*3.75*	13.18	00,00	02,*03*	− 522	− 247	. .	..	18	000*1*	9.18
g	+12° 4227	9.4	20 0 4.8	+12 22.0	2.25	5.75	00,00	00,00	− 162	− 693	. .	..	30	00*11*	9.36
h	+12° 4220	9.3	19 59 31.9	+12 30.9	*6.20*	15.90	00,00	00,00	− 669	− 84	. .	..	08	00*1*0	9.66
k	+12° 4230	9.2	20 0 25.3	+12 36.1	6.85	22.22	00,00	03,*02*	+ 114	+ 295	. .	..	20	010*1*	9.74
l	+12° 4221	9.4	19 59 37.4	+12 39.2	*4.70*	24.62	00,00	03,*02*	− 579	+ 439	. .	..	18	00*1*0	9.94
m	+12° 4232	9.4	20 1 7.8	+12 26.2	17.00	11.12	00,00	*02*,03	+ 723	− 371	. .	..	22	0010	10.12
n	.. ..	..	.. .. ..	.. .. ..	3.32	12.45	*02*,03	00,00	− 98	− 291	. .	..	40	0000	10.34
o	.. ..	..	.. .. ..	.. .. ..	15.35	13.20	00,00	00,00	+ 624	− 246	. .	..	18	00*1*0	10.74
p	.. ..	..	.. .. ..	.. .. ..	6.30	14.60	00,00	00,00	+ 81	− 162	. .	..	15	000*2*	10.92
q	.. ..	..	.. .. ..	.. .. ..	9.10	15.65	00,00	00,00	+ 249	− 99	. .	..	25	1100	11.07
r	.. ..	..	.. .. ..	.. .. ..	2.20	17.10	00,00	00,00	− 165	− 12	. .	..	42	0010	11.32
s	.. ..	..	.. .. ..	.. .. ..	9.75	14.15	00,00	00,00	+ 288	− 189	. .	..	35	00*11*	11.74
t	.. ..	..	.. .. ..	.. .. ..	8.18	16.28	02,*03*	02,*03*	+ 194	− 61	. .	..	20	...0	12.09
u	.. ..	..	.. .. ..	.. .. ..	3.15	18.30	00,00	00,00	− 108	+ 60	. .	..	..	....	*12.29*

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
166. X Pavonis. R. A. 20^h $3^m.4$, Dec. −60° 14′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	27560	9.0	20 1 13.6	−60 18 4	14.42	11.20	*02*,*02*	00,00	0	0	..	..	..	....	....
a	19^h 2287	8.5	19 56 8.2	−60 42 44	1.70	3.30	00,00	00,00	−2277	−1414	..	..	58	000*1*	8.23
b	19^h 2325	9.0	19 57 25.0	−60 41 51	4.80	3.50	00,00	00,00	−1722	−1378	..	..	28	000*1*	8.81
c	27579	8.8	20 2 14.8	−60 37 9	16.72	4.70	03,*02*	00,00	+ 412	−1164	..	..	35	*1*0*1*0	9.09
d	19^h 2363	9.5	19 58 16.0	−60 10 28	7.22	13.88	03,*02*	*03*,02	−1289	+ 480	..	..	30	0000	9.44
e	19^h 2359	9.5	19 58 14.0	−60 9 26	7.15	14.28	00,00	02,*03*	−1301	+ 551	..	..	22	0010	9.74
f	−60° 7379	9.5	19 58 54.0	−60 3.8	8.82	16.20	*02*,03	00,00	−1002	+ 895	..	..	32	0001	9.96
g	−60° 7377	9.6	19 58 37.0	−60 30.9	7.85	7.12	00,00	*02*,03	−1176	− 730	..	..	32	1000	10.28
h	−60° 7385	9.9	20 1 32.4	−60 13.5	15.30	12.68	00,00	*03*,02	+ 158	+ 265	..	..	32	0010	10.60
k	.. ..	..	.. .. ..	.. .. ..	18.60	11.50	00,00	00,00	+ 748	+ 54	..	..	22	0010	10.92
l	.. ..	..	.. .. ..	.. .. ..	13.50	6.72	00,00	03,*02*	− 165	− 802	..	..	48	10*2*0	11.14
m	.. ..	..	.. .. ..	.. .. ..	12.20	10.65	00,00	00,00	− 397	− 98	..	..	38	00*1*0	11.62
n	.. ..	..	.. .. ..	.. .. ..	14.10	11.72	00,00	03,*02*	− 57	+ 93	..	..	..	....	12.00
167. R Telescopii. R. A. 20^h $7^m.6$, Dec. −47° 16′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−47°13305	8.2	20 5 48.0	−47 20.0	20.30	14.80	00,00	00,00	0	0	..	..	..	....	....
a	27536	6.6	20 0 4.5	−47 25 33	0.78	13.52	02,*03*	*02*,03	−3494	− 229	..	..	95	*1111*	7.21
b	20^h 107	8.5	20 2 55.0	−47 26 19	10.35	13.28	00,00	02,*03*	−1781	− 272	..	..	50	0*1*01	8.16
c	27604	8.5	20 3 7.4	−47 50 9	11.15	5.32	00,00	03,*02*	−1638	−1697	..	..	42	*1*110	8.66
d	20^h 166	9.5	20 4 50.3	−47 59 21	16.80	2.25	00,00	00,00	− 626	−2246	..	..	28	*1*000	9.08
e	−47°13317	9.3	20 7 6.7	−47 21.9	24.65	14.62	00,00	*02*,03	+ 779	− 32	..	..	30	0000	9.36
f	−47°13316	9.7	20 7 1.3	−47 13.6	24.42	17.45	03,*02*	00,00	+ 737	+ 474	..	..	52	110*1*	9.66
g	−47°13308	10.0	20 6 0.7	−47 12.5	21.12	17.80	03,*02*	00,00	+ 147	+ 537	..	..	35	00*11*	10.18
h	−47°13299	10.0	20 5 5.1	−47 14.4	17.95	17.25	00,00	00,00	− 421	+ 439	..	..	52	120*2*	10.53
k	.. ..	..	.. .. ..	.. .. ..	17.18	13.80	02,*03*	00,00	− 558	− 179	..	..	15	*1*00*1*	11.05
l	.. ..	..	.. .. ..	.. .. ..	20.82	13.30	03,*02*	00,00	+ 93	− 268	..	..	38	000*1*	11.20
m	.. ..	..	.. .. ..	.. .. ..	17.35	14.75	00,00	00,00	− 528	− 9	..	..	42	20*1*0	11.58
n	.. ..	..	.. .. ..	.. .. ..	20.75	15.10	00,00	00,00	+ 81	+ 54	..	..	47	1*1*.*1*	12.00
o	.. ..	..	.. .. ..	.. .. ..	17.65	14.80	00,00	00,00	− 474	0	..	..	..	....	12.47
168. RZ Sagittarii. R. A. 20^h $8^m.5$, Dec. −44° 43′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−44°13831	8.6	20 6 45.7	−44 47.1	8.72	6.65	03,03	00,00	0	0	..	..	..	....	....
a	20^h 172	9.0	20 4 56.1	−44 58 48	2.30	2.70	00,00	00,00	−1149	− 707	..	..	48	0*1*00	8.24
b	20^h 179	8.5	20 5 5.0	−44 29 31	2.62	12.40	*02*,03	00,00	−1092	+1029	..	..	30	0000	8.72
c	−44°13859	9.8	20 9 10.4	−44 56.2	17.30	3.75	00,00	00,00	+1536	− 519	..	..	35	*11*00	9.02
d	−44°13837	9.7	20 7 10.2	−44 42.3	10.18	8.30	02,*03*	00,00	+ 261	+ 295	..	..	18	000*1*	9.37
e	20^h 234	9.0	20 6 54.3	−44 59 4	9.25	2.70	00,00	00,00	+ 95	− 707	..	..	32	0010	9.55
f	−44°13835	9.9	20 7 0.2	−44 54.9	9.70	4.15	00,00	00,00	+ 175	− 448	..	..	28	000*1*	9.87
g	−44°13818	9.9	20 5 20.4	−44 56.9	3.80	3.30	00,00	00,00	− 881	− 600	..	..	38	000*1*	10.15
h	.. ..	..	.. .. ..	.. .. ..	6.95	3.25	00,00	00,00	− 317	− 609	..	..	82	0010	10.53
k	−44°13821	10.0	20 5 47.1	−44 51.4	5.25	5.42	00,00	03,*02*	− 621	− 220	..	..	30	0000	10.85
l	.. ..	..	.. .. ..	.. .. ..	7.88	7.85	02,*03*	00,00	− 150	+ 215	..	..	31	1000	11.15
m	.. ..	..	.. .. ..	.. .. ..	9.22	6.70	*02*,03	00,00	+ 90	+ 9	..	..	15	*11*00	11.46

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
168. RZ SAGITTARII. R. A. 20^h 8^m5., Dec. −44° 43′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
n	.. ..	..	.. .. ..	.. .. ..	7.80	5.80	00,00	00,00	− 254	− 152	. .	..	15	00*11*	*11.61*
o	.. ..	..	.. .. ..	.. .. ..	8.78	5.42	02,*03*	03,*02*	+ 11	− 220	. .	..	..	....	*11.76*
169. – CYGNI. R. A. 20^h $9^m.8$, Dec. +49° 9′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	+49° 3225	8.7	20 8 32.4	+49 1.1	5.68	6.41	02,02	*01,01*	0	0	. .	..	..	....	....
a	+48° 3066	8.3	20 10 36.5	+48 58.2	13.15	5.30	00,00	00,00	+1218	− 181	. .	..	22	1000	8.92
b	+48° 3070	8.4	20 11 30.6	+48 59.4	16.30	5.78	00,00	*03*,02	+1731	− 103	. .	..	05	0110	9.14
c	+48° 3067	9.0	20 10 51.4	+48 55.0	14.00	4.10	00,00	00,00	+1356	− 877	. .	..	40	*1*001	9.19
d	+48° 3068	9.4	20 10 58.9	+48 53.2	14.32	8.45	03,*02*	00,00	+1408	− 482	. .	..	45	2*11*0	9.59
e	+48° 3058	9.5	20 8 27.6	+48 59.0	5.30	5.70	00,00	00,00	− 62	− 116	. .	..	08	01*11*	10.04
f	+49° 3221	9.5	20 8 0.2	+49 0.5	3.70	6.35	00,00	00,00	− 323	− 10	. .	..	25	1010	10.12
g	+49° 3228	9.4	20 8 57.8	+49 1.6	7.22	6.75	03,*02*	00,00	+ 251	+ 55	. .	..	80	*1*001	10.37
h	+49° 3219	9.4	20 7 48.1	+49 7.1	3.00	8.75	00,00	00,00	− 437	+ 381	. .	..	72	020*1*	10.67
k	.. ..	..	.. .. ..	.. .. ..	1.60	6.20	00,00	00,00	− 665	− 34	. .	..	30	1*1*00	11.39
l	.. ..	..	.. .. ..	.. .. ..	4.50	6.70	00,00	00,00	− 192	+ 47	. .	..	..	....	11.69
170. RT SAGITTARII. R. A. 20^h $11^m.1$, Dec. −39° 25′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−39° 13722	9.7	20 9 25.1	−39 29.9	10.92	21.47	*02,02*	*02,02*	0	0	. .	..	..	....	....
a	27768	7.5	20 9 26.6	−40 34 6	10.55	0.00	00,00	00,00	+ 66	−3843	. .	..	38	0*221*	7.07
	27769	7.0	20 9 27.3	−40 34 12											
b	27778	8.0	20 9 56.8	−39 20 13	13.10	24.60	00,00	00,00	+ 390	+ 560	. .	..	08	00*1*0	7.45
c	27695	8.0	20 6 43.8	−40 5 41	0.32	9.62	*02*,03	03,*02*	−1897	−2121	. .	..	28	*1*000	7.53
d	27749	7.8	20 8 50.8	−39 22 55	8.75	23.75	00,00	00,00	− 388	+ 408	. .	..	80	0000	7.81
e	−39° 13759	8.3	20 13 17.3	−39 32.4	25.85	20.25	00,00	00,00	+2672	− 218	. .	..	02	0100	8.61
f	−39° 13753	8.9	20 12 40.8	−39 34.4	23.45	19.60	00,00	00,00	+2243	− 335	. .	..	25	0011	8,63
g	20^h 278	9.0	20 8 39.3	−39 47 17	7.85	15.72	00,00	*02*,08	− 550	−1029	. .	..	58	0*2*01	8.88
h	27783	9.0	20 10 9.2	−39 18 53	13.80	25.10	00,00	00,00	+ 516	+ 650	. .	..	10	100*1*	9.46
k	−39° 13716	8.9	20 8 58.0	−39 20.3	9.32	24.50	03,*02*	00,00	− 286	+ 542	. .	..	22	0*1*11	9.56
l	27802	9.0	20 11 9.0	−39 38 58	17.55	18.28	00,00	02,*03*	+1187	− 571	. .	..	40	001*1*	9.78
m	−39° 13727	9.6	20 9 50.0	−39 28.3	12.60	22.20	00,00	00,00	+ 301	+ 131	. .	..	25	01*12*	10.18
n	−39° 13730	10.0	20 10 2.8	−39 46.6	13.40	15.68	00,00	*03*,02	+ 444	−1036	. .	..	50	*1*010	10.43
o	.. ..	..	.. .. ..	.. .. ..	11.10	21.60	00,00	00,00	+ 32	+ 23	. .	..	25	1010	10.93
p	.. ..	..	.. .. ..	.. .. ..	11.40	20.20	00,00	00,00	+ 86	− 227	. .	..	62	1*121*	11.18
q	.. ..	..	.. .. ..	.. .. ..	12.25	20.48	00,00	02,*03*	+ 238	− 177	. .	..	05	0011	11.80
r	.. ..	..	.. .. ..	.. .. ..	9.80	21.10	00,00	00,00	− 200	− 66	. .	..	48	*1*000	11.85
s	.. ..	..	.. .. ..	.. .. ..	12.40	22.48	00,00	*03*,02	+ 265	+ 181	. .	..	38	1*11*0	12.33
t	.. ..	..	.. .. ..	.. .. ..	11.30	23.32	00,00	*02*,03	+ 68	+ 331	. .	..	40	0..0	12.71
u	.. ..	..	.. .. ..	.. .. ..	11.08	22.32	*03*,02	03,*02*	+ 29	+ 152	. .	..	..	....	*13.11*
171. X TELESCOPII. R. A. 20^h $11^m.2$, Dec. −52° 56′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	20 9 19.1	−52 59 54	7.70	4.29	00,00	01,01	0	0	. .	..	..	....	....
a	27702	9.0	20 7 3.4	−52 55 30	0.82	5.68	*02*,03	*03*,02	−1232	+ 249	0.2	*6*	20	0000	8.35

171. X TELESCOPII. R. A. 20^h $11^m.2$, Dec. −52° 56′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
b	20^h 275	8.5	20 8 29.7	−53 7 24	5.28	1.75	02,*03*	00,00	− 433	− 455	*0.4*	*2*	28	0*1*00	8.55
c	20^h 321	8.8	20 10 8.7	−52 33 47	9.82	13.10	*02*,03	00,00	+ 379	+1577	0.0	7	55	*1*00*1*	8.83
d	−52°11655	9.6	20 7 59.7	−52 55.1	3.65	5.78	00,00	*03*,02	− 725	+ 267	. .	. .	20	0000	9.38
e	27808	9.0	20 11 25.9	−53 10 32	14.15	0.75	00,00	00,00	+1155	− 634	0.2	*6*	22	0001	9.58
f	−52°11664	9.7	20 9 49.7	−52 44.8	9.20	9.35	00,00	00,00	+ 268	+ 906	. .	. .	25	1100	9.80
g	−52°11665	10.4	20 9 50.2	−52 46.2	9.25	8.82	00,00	*02*,03	+ 277	+ 811	. .	. .	28	0*1*00	10.05
h	−53° 9846	9.6	20 9 28.3	−53 8.2	8.22	1.55	*02*,03	00,00	+ 93	− 490	. .	. .	28	*1*01*1*	10.33
k	−52°11661	10.8	20 8 52.5	−52 58.1	6.38	4.78	02,*03*	*03*,02	− 236	+ 88	. .	. .	35	*1111*	10.61
l	. . . .	. .	. . . . . .	. . . . . .	5.80	3.35	00,00	00,00	− 340	− 168	. .	. .	25	2000	10.96
m	. . . .	. .	. . . . . .	. . . . . .	8.28	6.72	02,*03*	*02*,03	+ 104	+ 435	. .	. .	22	0010	11.21
n	. . . .	. .	. . . . . .	. . . . . .	8.95	2.62	00,00	*02*,03	+ 224	− 299	. .	. .	15	0*1*0*1*	11.43
o	. . . .	. .	. . . . . .	. . . . . .	6.90	7.40	00,00	00,00	− 143	+ 557	. .	. .	25	0110	11.58
p	. . . .	. .	. . . . . .	. . . . . .	8.35	6.25	00,00	00,00	+ 116	+ 351	. .	. .	28	*11*01	11.83
q	. . . .	. .	. . . . . .	. . . . . .	7.65	4.08	00,00	02,*03*	− 9	− 38	. .	. .	22	0100	12.11
r	. . . .	. .	. . . . . .	. . . . . .	9.80	3.62	00,00	*02*,03	+ 376	− 120	. .	. .	18	0*1*00	*12.33*
s	. . . .	. .	. . . . . .	. . . . . .	7.42	4.42	03,*02*	03,*02*	− 50	+ 23	. .	. .	12	0100	*12.51*
t	. . . .	. .	. . . . . .	. . . . . .	8.20	2.82	00,00	03,*02*	+ 90	− 263	. .	. .	. .	. . . .	*12.63*

172. RT CAPRICORNI. R. A. 20^h $11^m.3$, Dec. −21° 38′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	−21° 5672	7.7	20 8 36.9	−21 45.6	11.42	5.79	*02,02*	01,*04*	0	0	. .	. .	. .	. . . .	. . . .
a	−21° 5669	8.3	20 8 18.7	−21 22.0	10.10	13.52	00,00	03,*02*	− 236	+1384	. .	. .	30	0000	7.70
b	−21° 5660	8.4	20 7 0.7	−21 54.0	4.00	3.10	00,00	00,00	−1328	− 482	. .	. .	42	01*11*	8.00
c	−21° 5655	8.6	20 6 13.1	−21 37.2	0.30	8.55	00,00	00,00	−1990	+ 494	. .	. .	45	11*1*1	8.42
d	−21° 5677	9.1	20 10 2.8	−21 46.8	18.12	5.40	*02*,03	00,00	+1199	− 70	. .	. .	42	0100	8.87
e	−21° 5673	9.2	20 8 42.3	−21 44.4	11.80	6.30	00,00	00,00	+ 68	+ 91	. .	. .	42	0010	9.29
f	−21° 5674	9.0	20 8 43.4	−21 38.7	11.90	8.10	00,00	00,00	+ 86	+ 413	. .	. .	40	0000	9.71
g	. . . .	. .	. . . . . .	. . . . . .	9.50	4.62	00,00	*02*,03	− 344	− 209	. .	. .	48	*11*10	10.11
h	−21° 5670	10.0	20 8 29.5	−21 50.0	10.70	4.25	00,00	00,00	− 129	− 276	. .	. .	30	0000	10.59
k	. . . .	. .	. . . . . .	. . . . . .	6.78	5.45	*03*,02	00,00	− 831	− 61	. .	. .	42	0001	10.89
l	. . . .	. .	. . . . . .	. . . . . .	11.50	7.80	00,00	00,00	+ 14	+ 360	. .	. .	. .	. . . .	11.31

173. − TELESCOPII. R. A. 20^h $12^m.9$, Dec. −50° 8′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	−50°12918	10.0	20 11 8.0	−50 12.7	6.72	4.75	03,*02*	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	−50°12943	9.0	20 14 29.1	−50 11.6	17.50	5.15	00,00	00,00	+1930	+ 72	. .	. .	18	*1*000	8.91
b	−50°12928	9.7	20 12 33.9	−50 12.0	11.32	4.75	*02*,03	00,00	+ 823	0	. .	. .	08	01*11*	9.09
c	−50°12920	9.3	20 11 30.3	−50 12.5	7.90	4.70	00,00	00,00	+ 211	− 9	. .	. .	05	0011	9.17
d	20^h 353	9.0	20 10 49.0	−50 8 2	5.70	6.20	00,00	00,00	− 183	+ 260	. .	. .	30	00*1*1	9.22
e	−50°12940	9.6	20 13 59.4	−50 10.2	15.90	5.58	00,00	*03*,02	+1643	+ 149	. .	. .	20	001*1*	9.52
f	−50°12914	9.5	20 10 20.2	−50 23.4	4.25	1.10	00,00	00,00	− 442	− 653	. .	. .	48	*1*000	9.72
g	−50°12909	10.0	20 9 49.8	−50 22.3	2.68	1.35	*03*,02	00,00	− 723	− 609	. .	. .	30	0*1*10	10.20
h	. . . .	. .	. . . . . .	. . . . . .	6.60	3.65	00,00	00,00	− 21	− 197	. .	. .	35	0*11*0	10.50
k	−50°12922	10.0	20 11 42.5	−50 15.7	8.80	3.80	00,00	00,00	+ 372	− 170	. .	. .	40	1*1*00	10.85
l	. . . .	. .	. . . . . .	. . . . . .	5.10	5.70	00,00	00,00	− 290	+ 170	. .	. .	60	11*11*	11.25

173. – TELESCOPII. R. A. 20h 12m.9, Dec. –50° 8′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
m	.. ..	..	.. .. ..	.. .. ..	6.25	5.20	00,00	00,00	– 84	+ 81	..	..	08	*11*10	11.85
n	.. ..	..	.. .. ..	.. .. ..	6.35	5.65	00,00	00,00	– 66	+ 161	..	..	32	0001	11.93
o	.. ..	..	.. .. ..	.. .. ..	5.95	5.40	00,00	00,00	– 138	+ 116	..	..	..	....	12.25

174. Y TELESCOPII. R. A. 20h 12m.9, Dec. –51° 1′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	–51° 12487	9.5	20 11 0.2	–51 5.5	8.40	6.80	00,00	00,00	0	0	..	..	..	....	....
a	27839	8.2	20 12 26.4	–51 10 0	18.05	5.85	00,00	00,00	+ 832	– 260	..	..	48	0*1*00	8.08
b	20h 405	9.0	20 12 37.8	–51 20 36	18.60	1.75	00,00	00,00	+ 931	– 904	..	..	20	0000	8.56
c	20h 408	9.0	20 12 39.6	–51 22 39	18.68	1.20	*03*,02	00,00	+ 945	–1002	..	..	18	0*1*00	8.76
d	–50° 12936	9.6	20 13 32.1	–50 57.0	16.45	9.65	00,00	00,00	+1441	+ 510	..	..	18	000*1*	8.94
e	20h 453	9.0	20 13 43.9	–51 15 15	17.12	8.60	*02*,03	00,00	+1561	– 573	..	..	22	1000	9.12
f	–51° 12532	9.3	20 16 44.2	–51 7.0	26.50	6.30	00,00	00,00	+3240	– 90	..	..	20	0000	9.34
g	–51° 12496	9.8	20 12 30.7	–51 11.7	13.25	4.70	00,00	00,00	+ 868	– 376	..	..	20	0000	9.54
h	–51° 12474	9.8	20 9 2.2	–51 2.7	2.30	7.75	00,00	00,00	–1092	+ 170	..	..	20	01*1*0	9.74
k	–50° 12908	9.7	20 9 46.7	–50 49.2	4.55	12.40	00,00	00,00	– 689	+1002	..	..	22	0100	9.94
l	–50° 12917	9.9	20 11 7.8	–50 54.4	8.92	10.60	*02*,03	00,00	+ 93	+ 680	..	..	25	1010	10.16
m	–50° 12898	10.0	20 8 38.0	–50 50.2	1.10	12.22	00,00	03,*02*	–1307	+ 970	..	..	25	0101	10.41
n	–50° 12919	10.0	20 11 19.8	–50 54.4	9.58	10.65	*03*,02	00,00	+ 211	+ 689	..	..	22	0010	10.66
o	.. ..	..	.. .. ..	.. .. ..	5.65	4.38	00,00	02,*03*	– 492	– 438	..	..	30	01*1*0	10.88
p	.. ..	..	.. .. ..	.. .. ..	10.60	7.90	00,00	00,00	+ 394	+ 197	..	..	..	....	11.18

175. – CAPRICORNI. R. A. 20h 13m.3, Dec. –16° 10.′

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	–16° 5558	8.0	20 10 45.1	–16 17.9	9.35	10.67	00,00	03,*02*	0	0	..	..	..	....	....
a	–16° 5577	7.9	20 14 10.2	–16 17.2	25.82	11.28	*02*,03	02,*03*	+2948	+ 109	..	..	25	0110	7.40
b	–15° 5628	8.0	20 12 49.1	–15 52.6	19.25	19.30	00,00	00,00	+1772	+1545	..	..	40	*2*101	7.65
c	–15° 5627	8.8	20 12 43.1	–15 55.7	18.70	18.30	00,00	00,00	+1674	+1366	..	..	62	0*2*08	8.05
d	–16° 5566	9.1	20 12 32.3	–16 30.3	18.00	6.70	00,00	00,00	+1548	– 711	..	..	50	02*2*0	8.67
e	–16° 5559	9.3	20 10 47.7	–16 16.0	9.55	11.35	00,00	00,00	+ 36	+ 122	..	..	08	*11*10	9.17
f	–16° 5549	9.1	20 9 12.9	–16 25.0	2.00	8.30	00,00	00,00	–1316	– 424	..	..	60	2*11*0	9.25
g	–16° 5553	9.5	20 9 44.1	–16 27.3	4.50	7.80	00,00	00,00	– 868	– 514	..	..	15	0*1*0*1*	9.85
h	–16° 5555	9.5	20 9 52.2	–16 18.9	5.25	12.28	00,00	02,*03*	– 734	+ 288	..	..	10	1*1*00	10.00
k	–16° 5561	9.5	20 11 23.1	–16 2.7	12.40	15.85	00,00	00,00	+ 546	+ 927	..	..	28	000*1*	10.10
l	–16° 5556	9.8	20 10 7.5	–16 20.2	6.40	9.95	00,00	00,00	– 528	– 129	..	..	25	1001	10.38
m	.. ..	..	.. .. ..	.. .. ..	8.00	11.32	00,00	*02*,03	– 242	+ 116	..	..	28	*11*01	10.63
n	.. ..	..	.. .. ..	.. .. ..	9.35	10.05	00,00	00,00	0	– 111	..	..	28	00*1*0	10.91
o	.. ..	..	.. .. ..	.. .. ..	9.00	9.92	00,00	03,*02*	– 63	– 134	..	..	32	01*11*	11.19
p	.. ..	..	.. .. ..	.. .. ..	8.88	10.60	02,*03*	00,00	– 84	– 13	..	..	..	....	11.51

176. – CYGNI. R. A. 20h 14m.7, Dec. +34° 4′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	20 12 56.0	+33 55.9	14.00	16.30	00,00	00,00	.. 0	.. 0	..	..	..	....	....
a	+33° 3850	8.8	20 13 26.1	+33 42.1	20.70	3.12	00,00	*02*,03	+ 402	– 791	*2.2*	*36*	18	00*1*0	9.25

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
176. − Cygni. R. A. 20h 14m.6, Dec. +34° 4′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
b	+34° 3969	9.0	20 13 17.0	+34 8.3	18.25	28.35	00,00	00,00	+ 255	+ 723	0.5	24	25	0101	9.43
c	+34° 3957	9.2	20 11 53.0	+34 12.7	0.78	32.60	*03*,02	00,00	− 793	+ 978	0.8	30	42	*1*011	9.68
d	+33° 3856	9.5	20 13 46.1	+33 55.3	24.28	16.15	*03*,02	00,00	+ 617	− 9	0.5	*24*	42	*1*002	10.10
e	+33° 3851	9.5	20 13 31.8	+33 59.9	21.35	20.22	00,00	*02*,03	+ 441	+ 235	0.3	6	22	0001	10.52
f	.. ..	..	.. .. ..	.. .. ..	19.95	9.68	00,00	*03*,02	+ 357	− 397	..	..	35	*111*1	10.74
g	.. ..	..	.. .. ..	.. .. ..	15.08	10.12	*03*,02	*02*,03	+ 65	− 371	..	..	38	*1*10*1*	11.09
h	.. ..	..	.. .. ..	.. .. ..	15.62	12.62	03,*02*	03,*02*	+ 97	− 221	..	..	25	012*1*	11.47
k	.. ..	..	.. .. ..	.. .. ..	12.20	18.75	00,00	00,00	− 108	+ 147	..	..	68	*21*11	11.72
l	.. ..	..	.. .. ..	.. .. ..	8.52	14.38	*02*,03	02,*03*	− 329	− 115	..	..	25	1010	12.40
m	.. ..	..	.. .. ..	.. .. ..	20.75	17.88	00,00	02,*03*	+ 405	+ 95	..	..	32	10*11*	12.65
n	.. ..	..	.. .. ..	.. .. ..	10.02	13.90	*02*,03	00,00	− 239	− 144	..	..	28	100*1*	*12.95*
o	.. ..	..	.. .. ..	.. .. ..	14.65	17.60	00,00	00,00	+ 39	+ 78	..	..	04	1000	*13.24*
p	.. ..	..	.. .. ..	.. .. ..	16.10	16.70	00,00	00,00	+ 126	+ 24	..	..	38	*1*. R	*13.27*
q	.. ..	..	.. .. ..	.. .. ..	15.60	15.65	00,00	00,00	+ 96	− 39	..	..	35	*10* R	*13.61*
r	.. ..	..	.. .. ..	.. .. ..	14.90	14.75	00,00	00,00	+ 54	− 93	..	..	10	00 R	*14.02*
s	.. ..	..	.. .. ..	.. .. ..	13.65	14.32	00,00	*02*,03	− 21	− 119	..	..	..	....	*14.12*
177. T Microscopii. R. A. 20h 21m.8, Dec. −28° 35′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	28038	7.8	20 20 17.8	−28 40 15	1.65	17.05	00,00	00,00	0	0	..	..	..	....	....
a	27974	6.1	20 17 47.4	−29 4 0	*9.45*	9.20	00,00	00,00	−1987	−1405	..	..	68	00*1*0	6.54
b	28027	7.2	20 19 49.4	−29 13 20	*0.65*	6.00	00,00	00,00	− 412	−1978	..	..	48	*1*1*1*0	7.22
c	28003	7.0	20 18 52.5	−29 28 42	*4.80*	0.88	00,00	*03*,02	−1155	−2894	..	..	45	0110	7.70
d	20h 603	8.8	20 18 22.8	−29 26 37	*6.95*	1.58	00,00	*03*,02	−1539	−2769	..	..	58	0*1*00	8.15
e	20h 661	9.5	20 19 47.6	−28 54 27	*0.65*	12.28	00,00	02,*03*	− 412	− 854	..	..	48	0*1*00	8.73
f	−28°16670	9.3	20 19 33.8	−28 52.1	*1.65*	13.20	00,00	00,00	− 591	− 689	..	..	55	1*102*	9.21
g	−28°16677	10.0	20 20 8.9	−28 39.0	1.08	17.20	*03*,02	00,00	− 102	+ 27	..	..	55	0*101*	9.76
h	.. ..	..	.. .. ..	.. .. ..	1.15	15.60	00,00	00,00	− 90	− 260	..	..	48	*11*01	10.81
k	.. ..	..	.. .. ..	.. .. ..	2.65	15.85	00,00	00,00	+ 179	− 215	..	..	..	....	10.79
178. U Microscopii. R. A. 20h 22m.6, Dec. −40° 45′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−40°13888	10.0	20 20 54.6	−40 49.7	10.15	5.39	00,00	01,01	0	0	..	..	..	....	.. ..
a	−40°13894	8.9	20 21 35.1	−40 47.1	12.58	6.28	*03*,02	02,*03*	+ 435	+ 159	..	..	40	0000	8.32
b	27993	8.0	20 18 25.6	−40 49 7	0.55	5.40	00,00	00,00	−1718	+ 2	..	..	28	0*1*00	8.72
c	−40°13899	9.3	20 21 50.6	−40 39.1	13.55	9.02	00,00	*02*,03	+ 609	+ 650	..	..	22	0010	9.00
d	20h 653	10.0	20 19 34.5	−40 25 17	4.80	13.45	00,00	00,00	− 958	+1443	..	..	35	0*101*	9.22
e	−41°14051	9.6	20 20 24.1	−41 16.4	8.25	*3.70*	00,00	00,00	− 340	−1627	..	..	35	00*11*	9.57
f	−40°13895	9.8	20 21 36.6	−40 57.5	12.80	2.62	00,00	*02*,03	+ 474	− 496	..	..	35	0*101*	9.92
g	−40°13889	9.8	20 20 57.2	−40 52.4	8.98	1.85	*03*,02	00,00	− 209	− 634	..	..	40	1*1*00	10.27
h	.. ..	..	.. .. ..	.. .. ..	8.60	6.55	00,00	00,00	− 277	+ 208	..	..	38	0*1*00	10.67
k	.. ..	..	.. .. ..	.. .. ..	8.20	2.35	00,00	00,00	− 349	− 544	..	..	32	101*1*	11.05
l	.. ..	..	.. .. ..	.. .. ..	11.90	8.28	00,00	*03*,02	+ 313	− 378	..	..	35	0*101*	11.37
m	.. ..	..	.. .. ..	.. .. ..	8.15	5.88	00,00	02,*03*	− 358	+ 88	..	..	40	0000	11.72
n	.. ..	..	.. .. ..	.. .. ..	10.05	5.60	00,00	00,00	− 18	+ 88	..	..	..	....	12.12

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
179. – Delphini. R. A. 20h 24m.6, Dec. +15° 56′. 180. – Delphini. R. A. 20h 24m.6, Dec. +15° 56′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V¹	+15° 4172	8.3	20 22 29.1	+15 47.0	13.71	12.23	04,*01*	02,02	0	0	. .	..	..	....	.. ..
V²	.. ..	..	20 22 30.1	+15 46.9	13.81	12.20	04,*01*	00,00	+ 16	− 5	. .	..	..	....	.. ..
a	+15° 4171	7.5	20 22 21.9	+15 46.4	13.22	11.78	03,*02*	02,*03*	− 80	− 73	. .	..	30	01*1*0	7.62
b	+16° 4262	8.0	20 20 36.5	+16 14.3	3.92	22.10	03,*02*	00,00	−1596	+1609	. .	..	38	*2*02*1*	7.92
c	+15° 4165	8.2	20 20 5.4	+15 35.1	1.10	7.58	00,00	02,*03*	−2055	− 758	. .	..	38	*1*10*1*	8.30
d	+15° 4167	8.8	20 20 10.6	+15 26.8	1.35	4.30	00,00	00,00	−2015	−1293	. .	..	55	00*11*	8.68
e	+16° 4277	8.9	20 22 31.8	+16 8.9	14.12	19.90	03,*02*	00,00	+ 67	+1250	. .	..	48	*11*01	9.23
f	.. ..	..	.. .. ..	.. .. ..	11.78	12.50	02,*03*	00,00	− 315	+ 44	. .	..	15	*1*0*1*0	9.71
g	+15° 4179	9.3	20 23 32.6	+15 39.4	19.35	8.80	00,00	00,00	+ 919	− 559	. .	..	25	1100	9.86
h	+15° 4176	9.3	20 23 5.9	+15 50.5	17.10	13.58	00,00	02,*03*	+ 553	+ 220	. .	..	15	*12*10	10.11
k	.. ..	..	.. .. ..	.. .. ..	15.25	11.08	00,00	02,*03*	+ 251	− 187	. .	..	28	*11*01	10.26
l	+15° 4174	9.5	20 22 47.3	+15 52.3	15.40	13.80	00,00	00,00	+ 275	+ 256	. .	..	45	*1*012	10.54
m	.. ..	..	.. .. ..	.. .. ..	10.15	9.15	00,00	00,00	− 580	− 502	. .	..	20	100*1*	10.99
n	.. ..	..	.. .. ..	.. .. ..	17.75	14.25	00,00	00,00	+ 659	+ 329	. .	..	60	010*1*	11.19
o	.. ..	..	.. .. ..	.. .. ..	13.45	12.30	00,00	00,00	− 42	+ 11	. .	..	75	1*21*0	11.77
p	.. ..	..	.. .. ..	.. .. ..	13.22	10.75	*02*,03	00,00	− 80	− 244	. .	..	*02*	*21*11	11.79
q	.. ..	..	.. .. ..	.. .. ..	13.20	11.25	00,00	00,00	− 88	− 160	. .	..	25	0020	12.52
r	.. ..	..	.. .. ..	.. .. ..	13.02	12.40	03,*02*	00,00	− 112	+ 28	. .	..	05	0101	12.77
s	.. ..	..	.. .. ..	.. .. ..	13.70	11.45	00,00	00,00	− 2	− 127	. .	..	37	*1*.*11*	12.82
t	.. ..	..	.. .. ..	.. .. ..	14.30	11.70	00,00	00,00	+ 96	− 86	. .	..	..	....	13.19
181. W Delphini. R. A. 20h 33m.1, Dec. +17° 56′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	+17° 4367	9.1	20 31 4.0	+17 46.6	3.77	7.60	03,03	00,00	0	0	. .	..	..	....	.. ..
a	+18° 4559	9.0	20 31 38.9	+18 19.1	6.78	19.25	02,*03*	00,00	+ 491	+1899	. .	..	66	0*1*0*1*	8.45
b	+17° 4374	8.5	20 32 31.2	+17 21.4	11.45	*1.60*	00,00	00,00	+1252	−1500	. .	..	56	0*1*0*1*	9.11
c	+17° 4368	9.1	20 31 8.9	+17 34.9	4.90	3.65	00,00	00,00	+ 184	− 644	. .	..	50	0*1*10	9.67
d	+17° 4371	9.3	20 31 22.2	+17 45.6	5.38	7.30	02,*03*	00,00	+ 262	− 49	. .	..	46	000*1*	10.17
e	.. ..	..	.. .. ..	.. .. ..	6.35	5.80	00,00	00,00	+ 421	− 293	. .	..	44	0201	10.63
f	.. ..	..	.. .. ..	.. .. ..	5.05	7.58	00,00	02,*03*	+ 209	− 3	. .	..	34	0000	11.07
g	.. ..	..	.. .. ..	.. .. ..	5.55	8.10	00,00	00,00	+ 290	+ 82	. .	..	32	0010	11.41
h	.. ..	..	.. .. ..	.. .. ..	4.68	5.75	*03*,02	00,00	+ 148	− 302	. .	..	32	0100	11.73
k	.. ..	..	.. .. ..	.. .. ..	3.40	5.38	00,00	*03*,02	− 60	− 362	. .	..	36	0*1*0*1*	12.05
l	.. ..	..	.. .. ..	.. .. ..	5.20	5.60	00,00	00,00	+ 233	− 326	. .	..	38	0*1*1*1*	12.41
m	.. ..	..	.. .. ..	.. .. ..	4.32	7.50	03,*02*	00,00	+ 90	− 16	. .	..	..	....	12.79
182. R Microscopii. R. A. 20h 34m.0, Dec. −29° 9′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−29°17235	9.9	20 32 26.9	−29 13.7	15.41	5.24	*01*,04	01,01	0	0	. .	..	..	....	.. ..
a	28280	8.0	20 31 26.6	−28 51 43	10.98	12.50	02,*03*	00,00	− 793	+1300	. .	..	35	0*1*0*1*	7.58
b	28308	8.0	20 32 32.5	−29 18 37	15.82	3.60	03,*02*	00,00	+ 73	− 294	. .	..	35	*2*10*1*	7.93
c	28235	7.8	20 29 38.9	−29 8 39	3.20	6.75	00,00	00,00	−2186	+ 270	. .	..	55	1*21*0	8.28
d	−29°17250	9.1	20 33 41.2	−29 22.0	20.90	2.45	00,00	00,00	+ 983	− 499	. .	..	75	*1*01*2*	8.83
e	−29°17232	9.1	20 32 22.5	−29 9.3	15.10	6.42	00,00	03,*02*	− 55	+ 211	. .	..	05	0110	9.58

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
182. R Microscopii. R. A. 20h 34m.0, Dec. −29° 9′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
f	−28° 16819	9.4	20 31 37.9	−28 57.5	11.88	10.48	*03*,02	02,*03*	− 632	+ 938	. .	. .	65	0110	9.63
g	−29° 17245	9.7	20 33 17.5	−29 7.3	19.30	7.35	00,00	00,00	+ 696	+ 378	. .	. .	20	001*1*	10.28
h	−29° 17231	9.4	20 32 14.9	−29 18.0	14.65	3.70	00,00	00,00	− 136	− 276	. .	. .	10	0000	10.48
k	−29° 17228	9.7	20 32 2.3	−29 2.8	13.60	8.90	00,00	00,00	− 324	+ 655	. .	. .	50	0000	10.58
l	−29° 17225	9.9	20 31 41.6	−29 8.3	12.18	6.82	*03*,02	03,*02*	− 578	+ 283	. .	. .	42	1*1*10	11.08
m	.. ..	..	.. .. ..	.. .. ..	11.25	7.60	00,00	00,00	− 745	+ 422	. .	. .	85	12*1*0	11.50
n	.. ..	..	.. .. ..	.. .. ..	15.75	5.20	00,00	00,00	+ 61	− 7	. .	. .	22	0010	12.35
o	.. ..	..	.. .. ..	.. .. ..	14.20	6.10	00,00	00,00	− 217	+ 154	. .	. .	30	0000	12.57
p	.. ..	..	.. .. ..	.. .. ..	17.95	3.60	00,00	00,00	+ 455	− 294	. .	. .	37	*1*.*1*1	12.87
q	.. ..	..	.. .. ..	.. .. ..	12.40	5.65	00,00	00,00	− 539	+ 73	. .	. .	..	....	*13.24*
183. W Aquarii. R. A. 20h 41m.2, Dec. −4° 27′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	20 38 49.7	− 4 36.8	14.10	11.90	00,00	00,00	0	0	. .	. .	..	....	....
a	− 4° 5241	7.0	20 36 36.6	− 4 25.8	2.95	15.30	00,00	00,00	−1996	+ 609	*0.2*	11	35	0*11*0	7.32
b	− 5° 5364	8.7	20 38 0.0	− 5 10.0	10.20	0.60	00,00	00,00	− 698	−2023	0.2	14	28	*11*10	7.67
c	− 4° 5257	8.3	20 39 9.5	− 4 35.1	15.72	12.52	03,*02*	*02*,03	+ 290	+ 111	0.2	*1*	02	0100	7.95
d	− 4° 5256	8.5	20 39 4.6	− 4 46.3	15.42	8.80	*02*,03	00,00	+ 236	− 555	*0.2*	*13*	25	0011	7.97
e	− 4° 5248	8.8	20 37 56.2	− 4 57.5	9.75	4.75	00,00	00,00	− 779	−1280	0.5	20	65	111*1*	8.22
f	− 4° 5252	9.1	20 38 45.9	− 4 47.1	13.80	8.48	00,00	*03*,02	− 54	− 612	0.6	*8*	40	*1*100	8.87
g	− 4° 5254	9.1	20 38 59.6	− 4 44.3	15.05	9.50	00,00	00,00	+ 170	− 430	*0.9*	*14*	30	01*1*0	9.27
h	− 4° 5245	9.5	20 37 46.0	− 4 59.1	9.00	4.40	00,00	00,00	− 913	−1342	*0.6*	*14*	28	*1*01*1*	9.57
k	− 4° 5246	9.5	20 37 50.6	− 4 41.2	9.25	10.50	00,00	00,00	− 868	− 251	0.7	*31*	25	1100	9.85
l	− 4° 5258	9.3	20 39 19.1	− 4 35.1	16.50	12.42	00,00	*02*,03	+ 430	+ 93	0.5	14	50	1*1*00	10.10
m	.. ..	..	.. .. ..	.. .. ..	17.35	16.58	00,00	*03*,02	+ 582	+ 838	. .	. .	25	2000	10.60
n	− 4° 5250	9.8	20 38 27.3	− 4 36.8	12.30	11.78	00,00	*03*,02	− 322	− 21	*0.8*	17	28	000*1*	10.85
o	.. ..	..	.. .. ..	.. .. ..	14.60	8.50	00,00	00,00	+ 90	− 609	. .	. .	22	0[illegible]*1*	11.13
p	.. ..	..	.. .. ..	.. .. ..	15.30	12.55	00,00	00,00	+ 215	+ 116	. .	. .	18	0*1*00	11.35
q	.. ..	..	.. .. ..	.. .. ..	15.00	12.55	00,00	00,00	+ 161	+ 116	. .	. .	30	00*1*1	11.53
r	.. ..	..	.. .. ..	.. .. ..	14.65	7.65	00,00	00,00	+ 98	− 761	. .	. .	25	0011	11.83
s	.. ..	..	.. .. ..	.. .. ..	14.70	7.85	00,00	00,00	+ 107	− 725	. .	. .	12	0010	12.08
t	.. ..	..	.. .. ..	.. .. ..	13.12	8.85	*02*,03	00,00	− 175	− 546	. .	. .	25	1100	*12.20*
u	.. ..	..	.. .. ..	.. .. ..	11.92	11.62	03,*02*	*02*,03	− 390	− 50	. .	. .	25	0011	*12.45*
w	.. ..	..	.. .. ..	.. .. ..	16.22	11.10	03,*02*	00,00	+ 379	− 143	. .	. .	..	....	*12.70*
184. V Delphini. R. A. 20h 43m.2, Dec. +18° 58′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	20 41 11	+18 48.3	6.31	7.29	*01,01*	01,01	0	0	. .	. .	..	....	....
a	+18° 4619	8.9	20 40 30.6	+18 45.6	2.80	6.40	00,00	00,00	− 572	− 145	. .	. .	28	0*11*1	8.89
b	+18° 4611	8.8	20 40 1.6	+18 43.9	0.40	5.32	00,00	03,*02*	− 963	− 321	. .	. .	42	101*1*	9.17
c	+18° 4629	9.2	20 43 51.9	+18 40.2	20.38	4.62	*03*,02	03,*02*	+2293	− 435	. .	. .	18	0*11*1	9.59
d	+18° 4617	9.2	20 40 25.6	+18 39.7	2.50	4.15	00,00	00,00	− 621	− 512	. .	. .	02	0010	9.77
e	+18° 4622	9.5	20 42 24.5	+18 45.3	12.95	6.65	00,00	00,00	+1082	− 104	. .	. .	28	0*1*00	9.79
f	+18° 4618	9.0	20 40 29.2	+18 43.2	2.85	5.48	00,00	02,*03*	− 564	− 295	. .	. .	02	*1*002	10.07
g	.. ..	..	.. .. ..	.. .. ..	3.90	11.40	00,00	00,00	− 393	+ 670	. .	. .	35	*1111*	10.09

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
184. V DELPHINI. R. A. $20^{h}\ 43^{m}.2$, Dec. + 18° 58′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
h	.. ..	..	.. .. ..	.. .. ..	11.25	3.75	00,00	00,00	+ 805	− 577	. .	..	22	0010	10.44
k	.. ..	..	.. .. ..	.. .. ..	13.85	3.52	00,00	03,*02*	+1229	− 615	. .	..	10	010*1*	10.66
l	.. ..	..	.. .. ..	.. .. ..	13.62	4.15	*02*,03	00,00	+1192	− 512	. .	..	48	*1*0*1*1	10.76
m	.. ..	..	.. .. ..	.. .. ..	10.20	2.68	00,00	*03*,02	+ 634	− 751	. .	..	22	1*1*10	11.24
n	.. ..	..	.. .. ..	.. .. ..	6.70	9.42	00,00	*02*,03	+ 64	+ 347	. .	..	20	0000	11.46
o	.. ..	..	.. .. ..	.. .. ..	4.60	7.80	00,00	00,00	− 279	+ 83	. .	..	48	000*1*	11.66
p	.. ..	..	.. .. ..	.. .. ..	5.30	8.20	00,00	00,00	− 165	+ 148	. .	..	38	*11*10	12.14
q	.. ..	..	.. .. ..	.. .. ..	7.65	7.30	00,00	00,00	+ 218	+ 2	. .	..	24	0..1	12.52
r	.. ..	..	.. .. ..	.. .. ..	5.65	7.52	00,00	*02*,03	− 108	+ 37	. .	..	30	...0	12.76
s	.. ..	..	.. .. ..	.. .. ..	7.00	7.50	00,00	00,00	+ 112	+ 34	. .	..	..	....	13.06
185. U PAVONIS. R. A. $20^{h}\ 47^{m}.2$, Dec. −63° 5′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	20 45 4.2	−63 10.7	3.65	15.62	00,00	*02*,03	0	0	. .	..	..	....	....
a	28687	8.0	20 48 19.5	−63 2 36	11.00	18.32	00,00	*02*,03	+1316	+ 483	. .	..	42	0100	7.83
b	28589	7.3	20 43 52.6	−63 18 13	0.90	13.10	00,00	00,00	− 492	− 451	. .	..	58	*1*0*1*1	8.25
c	20^{h} 1646	9.0	20 50 55.8	−63 56 16	16.55	0.32	00,00	*02*,03	+2309	−2739	. .	..	40	0000	8.83
d	20^{h} 1573	9.5	20 48 26.1	−63 25 6	11.25	10.75	00,00	00,00	+1360	− 872	. .	..	35	*11*00	9.23
e	28688	9.8	20 48 20.4	−63 17 30	11.00	13.35	00,00	00,00	+1316	− 406	. .	..	58	*1*10*1*	9.58
f	.. ..	..	.. .. ..	.. .. ..	12.50	15.25	00,00	00,00	+1584	− 66	. .	..	25	0101	10.16
g	.. ..	..	.. .. ..	.. .. ..	5.05	13.82	00,00	*02*,03	+ 251	− 322	. .	..	35	*11*00	10.41
h	.. ..	..	.. .. ..	.. .. ..	2.20	15.90	00,00	00,00	− 260	+ 50	. .	..	32	0100	10.76
k	.. ..	..	.. .. ..	.. .. ..	2.25	16.72	00,00	03,*02*	− 251	+ 197	. .	..	30	1*1*00	11.08
l	.. ..	..	.. .. ..	.. .. ..	4.95	16.58	00,00	*03*,02	+ 233	+ 172	. .	..	40	*1*001	11.38
m	.. ..	..	.. .. ..	.. .. ..	2.60	15.58	00,00	02,*03*	− 188	− 7	. .	..	32	0001	11.78
n	.. ..	..	.. .. ..	.. .. ..	2.60	16.58	00,00	*03*,02	− 188	+ 172	. .	..	..	....	12.10
186. S INDI. R. A. $20^{h}\ 49^{m}.0$, Dec. −54° 42.′															
			h. m. s.	° ′ ″					″	″	s.	″			
V	20^{h} 1539	9.5	20 47 7.1	−54 47 55	5.40	19.35	00,00	00,00	0	0	. .	..	..	....	....
a	28658	7.8	20 46 48.2	−55 41 40	4.75	1.35	00,00	00,00	− 116	−3222	. .	..	60	*1*010	8.06
b	20^{h} 1658	9.0	20 51 28.6	−55 5 58	18.00	13.38	00,00	02,*03*	+2255	−1069	. .	..	52	0001	8.66
c	20^{h} 1598	9.0	20 49 17.0	−54 50 38	11.70	18.48	00,00	02,*03*	+1128	− 156	. .	..	52	*1*110	9.18
d	−54° 9769	10.0	20 46 37.9	−54 48.6	4.05	19.10	00,00	00,00	− 242	− 45	. .	..	52	*1*002	9.70
e	−54° 9767	10.0	20 46 20.9	−54 56.2	3.25	16.52	00,00	03,*02*	− 385	− 507	. .	..	40	1*11*1	10.22
f	.. ..	..	.. .. ..	.. .. ..	3.52	17.80	*02*,03	00,00	− 337	− 277	. .	..	32	1000	10.62
g	.. ..	..	.. .. ..	.. .. ..	5.75	20.22	00,00	03,*02*	+ 63	+ 156	. .	..	45	1010	10.94
h	.. ..	..	.. .. ..	.. .. ..	7.40	21.40	00,00	00,00	+ 358	+ 367	. .	..	52	1000	11.39
k	.. ..	..	.. .. ..	.. .. ..	4.78	19.78	*03*,02	*03*,02	− 111	+ 77	. .	..	..	....	11.91
187. T OCTANTIS. R. A. $20^{h}\ 57^{m}.4$, Dec. −82° 30′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	20 53 10.	−82 36 15	8.50	4.05	00,00	00,00	0	0	. .	..	..	....	....
a	28684	8.0	20 48 4.4	−82 30 53	5.18	5.75	02,*03*	00,00	− 594	+ 304	. .	..	62	0001	7.51

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
187. T Octantis. R. A. 20^h 57^m.4, Dec. −82° 30′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
b	28922	8.2	20 59 3.5	−82 43 5	12.30	1.90	00,00	00,00	+ 680	− 385	..	..	42	*2*110	8.18
c	28622	8.0	20 45 19.5	−81 52 46	2.52	18.38	03,*02*	02,*03*	−1070	+2565	..	..	50	0000	8.55
d	−81° 944	8.6	20 54 20	−81 50.8	8.85	19.45	00,00	00,00	+ 63	+2757	..	..	58	100*2*	9.05
e	−82° 838	9.0	20 42 20	−82 4.6	0.70	14.30	00,00	00,00	−1396	+1835	..	..	42	00*1*0	9.63
f	−82° 845	9.0	20 49 20	−82 26.2	5.85	7.35	00,00	00,00	− 474	+ 591	..	..	34	1000	10.05
g	−82° 854	9.4	21 5 51	−82 32.1	16.70	5.58	00,00	*03*,02	+1468	+ 274	..	..	40	0*11*0	10.39
h	−82° 846	9.6	20 49 53	−82 18.0	6.15	10.20	00,00	00,00	− 421	+1101	..	..	30	0000	10.79
k	−82° 849	9.6	20 58 54	−82 16.0	12.20	10.95	00,00	00,00	+ 662	+1235	..	..	26	00*11*	11.09
l	−82° 851	10.2	21 1 32	−82 23.1	13.90	8.60	00,00	00,00	+ 967	+ 814	..	..	36	*1*0*11*	11.35
m	.. ..	..	.. .. ..	.. .. ..	4.05	9.38	00,00	02,*03*	− 797	+ 954	..	..	42	1000	11.71
n	.. ..	..	.. .. ..	.. .. ..	5.95	9.62	00,00	*02*,03	− 456	+ 997	..	..	45	1100	12.13
o	.. ..	..	.. .. ..	.. .. ..	4.50	10.10	00,00	00,00	− 716	+1088	..	..	..	....	12.58
188. − Cygni. R. A. 20^h 58^m.9, Dec. +40° 54′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	+40° 4393	8.4	20 57 13.6	+40 43.1	18.71	15.00	*01*,04	00,00	0	0	..	..	..	....	.. ..
a	+40° 4389	7.0	20 55 57.4	+40 2.8	13.35	0.30	00,00	00,00	− 874	−2396	..	..	42	1*11*2	7.27
b	+40° 4401	8.2	20 59 13.6	+40 26.0	27.20	8.80	00,00	00,00	+1384	−1011	..	..	25	012*1*	7.69
c	+40° 4378	7.3	20 54 2.0	+40 24.1	5.30	7.90	00,00	00,00	−2186	−1157	..	..	32	20*1*0	7.94
d	+40° 4407	8.4	21 0 3.6	+40 35.2	30.55	12.25	00,00	00,00	+1930	− 448	..	..	28	00*1*0	8.26
e	+40° 4373	7.7	20 53 3.6	+40 48.0	1.30	16.72	00,00	03,*02*	−2838	+ 281	..	..	12	*10*20	8.54
f	+41° 3976	8.6	20 57 48.6	+41 6.5	21.10	23.55	00,00	00,00	+ 390	+1394	..	..	35	00*11*	8.66
g	+41° 3973	9.2	20 57 43.1	+41 1.4	20.70	21.70	00,00	00,00	+ 324	+1092	..	..	35	*11*00	9.01
h	+40° 4391	8.9	20 57 3.5	+40 50.6	18.00	17.75	00,00	00,00	− 116	+ 448	..	..	25	0002	9.36
k	+40° 4395	9.5	20 57 55.7	+40 41.8	21.75	14.75	00,00	00,00	+ 496	− 41	..	..	30	00*1*1	9.61
l	+40° 4398	9.5	20 58 15.5	+40 40.3	23.12	14.10	*02*,03	00,00	+ 719	− 147	..	..	35	*21*10	9.91
m	+40° 4394	9.5	20 57 48.3	+40 29.5	21.20	10.20	00,00	00,00	+ 406	− 782	..	..	28	*1*000	10.26
n	.. ..	..	.. .. ..	.. .. ..	21.75	12.70	00,00	00,00	+ 496	− 375	..	..	22	0010	10.54
o	.. ..	..	.. .. ..	.. .. ..	16.95	16.48	00,00	*03*,02	− 287	+ 241	..	..	48	000*1*	10.76
p	.. ..	..	.. .. ..	.. .. ..	20.25	12.60	00,00	00,00	+ 251	− 391	..	..	..	....	11.24
189. RS Capricorni. R. A. 21^h 1^m.7, Dec. −16° 49′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−17° 6181	8.2	20 59 9.7	−17 0.2	7.63	10.20	02,02	00,00	0	0	..	..	..	....	.. ..
a	−17° 6189	8.3	21 0 7.2	−17 18.4	12.28	4.10	02,*03*	00,00	+ 832	−1092	..	..	52	101*1*	7.18
b	−17° 6193	7.0	21 1 19.1	−17 12.0	18.10	6.30	00,00	00,00	+1874	− 698	..	..	30	0000	7.70
c	−16° 5797	7.8	20 59 4.3	−16 32.9	7.15	19.20	00,00	00,00	− 86	+1611	..	..	52	1*1*01	8.00
d	−17° 6184	9.0	20 59 22.6	−17 4.0	8.62	8.90	*02*,03	00,00	+ 177	− 233	..	..	42	0001	8.52
e	−17° 6175	9.0	20 58 11.9	−17 25.0	3.25	1.85	00,00	00,00	− 784	−1495	..	..	52	11*1*0	8.94
f	−17° 6186	9.2	20 59 48.2	−17 2.2	10.70	9.35	00,00	00,00	+ 550	− 152	..	..	32	0001	9.46
g	−17° 6185	9.8	20 59 28.1	−17 5.2	9.18	8.35	*03*,02	00,00	+ 277	− 331	..	..	38	00*1*0	9.78
h	.. ..	..	.. .. ..	.. .. ..	12.30	6.68	00,00	*03*,02	+ 836	− 630	..	..	45	1001	10.16
k	.. ..	..	.. .. ..	.. .. ..	6.80	7.90	00,00	00,00	− 149	− 412	..	..	50	10*1*0	10.61
l	.. ..	..	.. .. ..	.. .. ..	7.80	7.15	00,00	00,00	+ 30	− 546	..	..	..	....	11.11

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
190. – AQUARII. R. A. 21h 7m.3, Dec. −14° 48′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−14° 5960	8.5	21 4 45.9	−14 58.8	7.11	7.31	*01*,*01*	04,*01*	0	0	. .	..	..	....	....
a	−15° 5911	7.8	21 4 6.1	−15 8.7	10.35	10.70	00,00	00,00	− 580	− 607	. .	..	40	0000	7.32
b	−15° 5913	7.5	21 4 20.3	−15 35.3	9.12	19.48	*02*,03	02,*03*	− 360	−2178	. .	..	40	*1*001	7.72
c	−15° 5922	8.3	21 5 48.3	−15 14.2	2.40	12.45	00,00	00,00	+ 843	− 920	. .	..	30	0000	8.12
d	−14° 5949	8.2	21 2 3.4	−14 51.7	20.25	4.90	00,00	00,00	−2352	+ 431	. .	..	38	000*1*	8.42
e	−15° 5910	8.2	21 3 53.7	−15 32.8	11.25	18.70	00,00	00,00	− 741	−2039	. .	..	35	*11*00	8.80
f	−14° 5965	9.1	21 5 17.9	−14 57.5	4.58	6.75	*03*,02	00,00	+ 453	+ 100	. .	..	45	2000	9.15
g	−15° 5912	10.0	21 4 15.9	−15 7.4	9.55	10.10	00,00	00,00	− 437	− 499	. .	..	40	0000	9.60
h	.. ..	..	.. .. ..	.. .. ..	8.25	10.20	00,00	00,00	− 204	− 517	. .	..	30	0000	10.00
k	.. ..	..	.. .. ..	.. .. ..	5.50	4.40	00,00	00,00	+ 288	+ 521	. .	..	42	0001	10.30
l	.. ..	..	.. .. ..	.. .. ..	6.20	4.60	00,00	00,00	+ 163	+ 485	. .	..	42	011*1*	10.72
m	.. ..	..	.. .. ..	.. .. ..	4.95	6.45	00,00	00,00	+ 387	+ 154	. .	..	..	....	11.14
191. T INDI. R. A. 21h 13m.6, Dec. −45° 27.′															
			h. m. s.	° ′ ″					″	″	s.	″			
V	29232	6.0	21 11 54.6	−45 32 49	7.38	19.85	*03*,*03*	00,00	0	0	. .	..	..	....	....
a	29194	7.6	21 10 8.6	−45 48 42	1.28	14.40	*03*,02	00,00	−1092	− 976	. .	..	60	0*1*10	7.10
b	29241	7.4	21 12 34.6	−46 20 14	9.85	4.10	00,00	00,00	+ 442	−2819	. .	..	50	0000	7.70
c	29231	8	21 11 41.5	−46 0 13	6.75	10.70	00,00	00,00	− 113	−1638	. .	..	48	0*1*00	8.20
d	−45°14303	8.9	21 11 55.5	−45 44.6	7.52	15.90	*02*,03	00,00	+ 25	− 707	. .	..	50	00*1*1	8.68
e	−46°13936	9.7	21 15 55.8	−46 30.0	21.52	0.85	*02*,03	00,00	+2531	−3401	. .	..	45	1010	9.18
f	−45°14297	9.3	21 11 9.4	−45 43.3	4.78	16.32	02,*03*	03,*02*	− 465	− 632	. .	..	52	0011	9.63
g	−45°14305	10.0	21 12 10.2	−45 48.7	8.40	14.58	00,00	*03*,02	+ 183	− 943	. .	..	08	0*1*00	10.14
h	−45°14309	10.0	21 13 9.2	−45 42.6	11.80	16.62	00,00	03,*02*	+ 791	− 578	. .	..	35	*1111*	*10.22*
k	−45°14296	10.0	21 10 44.4	−45 31.1	3.32	20.60	*02*,03	00,00	− 727	+ 134	. .	..	25	0110	*10.57*
l	.. ..	..	.. .. ..	.. .. ..	7.70	19.40	00,00	00,00	+ 57	− 81	. .	..	18	000*1*	*10.82*
m	.. ..	..	.. .. ..	.. .. ..	7.80	19.30	00,00	00,00	+ 75	− 98	. .	..	..	....	*11.00*
192. V MICROSCOPII. R. A. 21h 17m.4, Dec. −41° 8′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	21 15 50.9	−41 14.0	19.32	7.38	03,03	02,02	0	0	. .	..	..	....	....
a	−41°14511	8.7	21 16 53.0	−41 15.8	31.18	5.58	*03*,02	*03*,02	+ 712	− 108	*0.9*	0	60	*1*100	8.43
b	−41°14498	9.3	21 16 7.2	−41 0.3	22.18	21.20	*03*,02	00,00	+ 172	+ 829	1.1	*6*	38	*11*10	9.03
c	−41°14499	9.8	21 16 11.0	−41 5.8	22.85	15.15	00,00	00,00	+ 212	+ 466	1.3	24	18	000*1*	9.41
d	−41°14508	9.7	21 16 48.2	−41 18.8	30.38	2.75	*03*,02	00,00	+ 664	− 278	*1.5*	*12*	42	*1*110	9.59
e	−41°14490	9.9	21 15 5.6	−41 5.8	11.00	15.10	00,00	00,00	− 499	+ 463	*1.1*	30	*05*	11*1*1	10.01
f	−41°14486	9.5	21 14 38.0	−41 10.8	5.32	10.95	03,*02*	00,00	− 840	+ 214	1.5	*24*	48	00*1*0	9.96
g	−41°14493	10.0	21 15 21.7	−41 9.8	13.95	11.62	00,00	*02*,03	− 322	+ 254	*0.7*	0	32	*1*101	10.44
h	.. ..	..	.. .. ..	.. .. ..	19.00	8.72	00,00	*02*,03	− 19	+ 80	. .	..	05	1100	10.76
k	.. ..	..	.. .. ..	.. .. ..	24.95	9.75	00,00	00,00	+ 338	+ 142	. .	..	28	01*11*	10.81
l	.. ..	..	.. .. ..	.. .. ..	14.60	9.90	00,00	00,00	− 283	+ 151	. .	..	38	0*111*	11.09
m	.. ..	..	.. .. ..	.. .. ..	24.70	18.38	00,00	02,*03*	+ 323	+ 660	. .	..	38	*11*10	11.47
n	.. ..	..	.. .. ..	.. .. ..	21.10	5.32	00,00	*02*,03	+ 107	− 124	. .	..	08	*11*01	11.85
o	.. ..	..	.. .. ..	.. .. ..	17.58	8.80	02,*03*	00,00	− 104	+ 85	. .	..	05	0101	11.93
p	.. ..	..	.. .. ..	.. .. ..	17.05	8.38	00,00	02,*03*	− 136	+ 60	. .	..	30	1*111*	11.98

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
192. V Microscopii. R. A. 21h 17m.4, Dec. −41° 8′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
q	.. ..	..	.. .. ..	.. .. ..	22.70	11.90	00,00	00,00	+ 203	+ 271	..	..	38	0*111*	12.28
r	.. ..	..	.. .. ..	.. .. ..	24.35	5.60	00,00	00,00	+ 302	− 107	..	..	35	*1*00*1*	12.66
s	.. ..	..	.. .. ..	.. .. ..	19.65	8.52	00,00	*02*,03	+ 20	+ 68	..	..	30	..0.	13.01
t	.. ..	..	.. .. ..	.. .. ..	28.52	10.30	03,*02*	00,00	+ 552	+ 175	..	..	50	..0.	13.31
u	.. ..	..	.. .. ..	.. .. ..	22.18	6.90	*03*,02	00,00	+ 172	− 29	..	..	10	..0.	*13.81*
w	.. ..	..	.. .. ..	.. .. ..	22.40	7.85	00,00	00,00	+ 185	+ 28	..	..	..	....	*13.91*
193. SS Cygni. R. A. 21h 38m.8, Dec. +43° 8′.															
			h. m. s.	° ′					″	″	s.	″			
V	R	..	21 37 1	+42 55.4	14.85	7.70	00,00	00,00	0	0	..	..	..	....	....
a	+42° 4177	5.2	21 34 29.7	+42 37.2	4.72	0.85	03,*02*	00,00	−1651	−1117	..	..	35	00*11*	6.81
b	+43° 4048	7.2	21 41 59.1	+43 20.3	34.68	17.30	*03*,02	00,00	+3232	+1565	..	..	75	0*1*0*1*	7.16
c	+42° 4172	8.4	21 33 47.9	+42 37.4	1.90	1.05	00,00	00,00	−2111	−1084	..	..	42	0001	7.91
d	+43° 4012	8.7	21 36 5.4	+43 19.7	11.15	16.60	00,00	00,00	− 603	+1451	..	..	50	010*1*	8.33
e	+42° 4190	8.3	21 37 26.8	+42 55.3	16,68	7.62	*03*,02	*02*,03	+ 298	− 13	..	..	25	0110	8.83
f	+42° 4186	9.2	21 36 39.1	+42 54.4	13.40	7.32	00,00	*02*,03	− 236	− 62	..	..	35	0*1*0*1*	9.08
g	.. ..	..	.. .. ..	.. .. ..	13.10	12.32	00,00	*02*,03	− 285	+ 753	..	..	28	00*1*0	9.43
h	.. ..	..	.. .. ..	.. .. ..	13.85	7.25	00,00	00,00	− 163	− 73	..	..	42	0010	9.71
k	.. ..	..	.. .. ..	.. .. ..	14.30	10.50	00,00	00,00	− 90	+ 456	..	..	38	010*2*	10.13
l	.. ..	..	.. .. ..	.. .. ..	16.18	10.05	02,*03*	00,00	+ 217	+ 383	..	..	28	2111	10.51
m	.. ..	..	.. .. ..	.. .. ..	14.40	9.28	00,00	02,*03*	− 73	+ 258	..	..	72	001*1*	10.70
n	.. ..	..	.. .. ..	.. .. ..	17.40	8.95	00,00	00,00	+ 416	+ 204	..	..	28	00*1*0	11.42
o	.. ..	..	.. .. ..	.. .. ..	16.00	7.75	00,00	00,00	+ 187	+ 8	..	..	20	*1*100	*11.71*
p	.. ..	..	.. .. ..	.. .. ..	14.98	7.40	*03*,02	00,00	+ 21	− 49	..	..	25	1001	*11.91*
q	.. ..	..	.. .. ..	.. .. ..	15.15	7.40	00,00	00,00	+ 49	− 49	..	..	..	....	*12.16*
194. R Gruis. R. A. 21h 42m.1, Dec. −47° 22′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	.. ..	..	21 40 28.2	−47 29 21	8.58	11.68	*03*,02	02,*03*	0	0	..	..	..	....	....
1	29785	5.8	21 40 7.5	−47 52 13	7.20	19.30	00,00	00,00	− 247	−1364	*0.6*	6	..	....	....
a	29831	7.0	21 41 42.3	−47 11 22	13.00	5.72	00,00	*02*,03	+ 791	+1067	0.2	*3*	50	0000	7.53
b	29757	7.5	21 38 48.1	−46 57 52	3.25	0.90	00,00	00,00	− 954	+1930	*0.4*	*3*	80	012*3*	8.03
c	21h 1212	9.5	21 39 6.4	−47 1 35	4.25	2.22	00,00	*02*,03	− 775	+1693	..	..	10	1001	8.83
d	−47°13934	8.4	21 40 57.4	−47 27.9	10.25	11.20	00,00	00,00	+ 299	+ 86	..	..	18	*11*10	8.93
e	21h 1317	9.5	21 41 51.8	−47 11 12	13.60	5.70	00,00	00,00	+ 899	+1070	..	..	48	01*11*	9.11
f	−47°13935	9.6	21 41 4.0	−47 18.0	10.72	7.75	03,*02*	00,00	+ 383	+ 703	..	..	40	*1*11*1*	9.59
g	−47°13938	10.0	21 41 21.0	−47 19.2	11.68	8.30	02,*03*	00,00	+ 555	+ 605	..	..	32	*1*110	9.99
h	−47°13936	9.5	21 41 7.0	−47 36.2	10.68	13.92	02,*03*	03,*02*	+ 376	− 401	..	..	60	2*1*0*1*	10.31
k	.. ..	..	.. .. ..	.. .. ..	8.25	11.58	00,00	02,*03*	− 59	+ 18	..	..	45	1010	10.91
l	.. ..	..	.. .. ..	.. .. ..	8.98	11.18	02,*03*	02,*03*	+ 72	+ 90	..	..	62	110*1*	11.36
m	.. ..	..	.. .. ..	.. .. ..	9.68	11.00	02,*03*	00,00	+ 197	+ 122	..	..	..	....	11.98
195. − Pegasi. R. A. 21h 51m.7, Dec. +22° 24′.															
			h. m. s.	° ′					″	″	s.	″			
V	+22° 4508	8.1	21 49 38.5	+22 10.8	13.91	13.61	04,*01*	*01,01*	0	0	..	..	..	....	....
a	+21° 4644	9.1	21 48 42.9	+21 37.6	8.85	1.58	00,00	02,*03*	− 825	−1961	..	..	22	0001	8.98

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
195. – PEGASI. R. A. 21h 51m.7, Dec. +22° 24′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
b	+21° 4647	8.8	21 49 2.3	+21 54.1	10.70	7.55	00,00	00,00	– 523	– 988	. .	. .	05	0110	9.20
c	+21° 4649	8.8	21 49 36.2	+21 50.6	13.60	12.20	00,00	00,00	– 51	– 230	. .	. .	25	0200	9.25
d	+21° 4653	9.1	21 50 25.2	+21 58.1	17.95	9.30	00,00	00,00	+ 659	– 708	. .	. .	12	011*1*	9.50
e	+22° 4515	9.3	21 51 45.5	+22 24.2	24.70	17.70	00,00	00,00	+1759	+ 667	. .	. .	22	0010	9.62
f	+22° 4518	9.3	21 52 0.2	+22 16.6	25.92	15.68	*02*,03	02,*03*	+1958	+ 337	. .	. .	30	11*11*	9.84
g	+22° 4507	9.5	21 49 32.2	+22 3.5	13.40	11.10	00,00	00,00	– 83	– 409	. .	. .	15	*1*0*1*0	10.14
h	+22° 4509	9.1	21 50 22.1	+22 12.2	17.60	14.60	00,00	00,00	+ 601	+ 161	. .	. .	05	1*2*21	10.29
k	.. ..	..	.. .. ..	.. .. ..	2.25	15.55	00,00	00,00	–1901	+ 316	. .	. .	05	1100	10.34
l	.. ..	..	.. .. ..	.. .. ..	8.98	7.22	02,*03*	03,*02*	– 804	–1042	. .	. .	10	0000	10.39
m	.. ..	..	.. .. ..	.. .. ..	3.52	16.40	*02*,03	00,00	–1694	+ 455	. .	. .	30	1*11*1	10.49
n	.. ..	..	.. .. ..	.. .. ..	7.70	12.15	00,00	00,00	–1012	– 238	. .	. .	28	01*2*0	10.79
o	.. ..	..	.. .. ..	.. .. ..	12.22	13.55	03,*02*	00,00	– 275	– 10	. .	. .	40	*1*001	11.07
p	.. ..	..	.. .. ..	.. .. ..	11.20	11.12	00,00	*02*,03	– 442	– 406	. .	. .	50	0000	11.47
q	.. ..	..	.. .. ..	.. .. ..	13.50	13.90	00,00	00,00	– 67	+ 47	. .	. .	25	0110	11.97
r	.. ..	..	.. .. ..	.. .. ..	14.15	15.70	00,00	00,00	+ 39	+ 341	. .	. .	30	..00	12.22
s	.. ..	..	.. .. ..	.. .. ..	13.05	15.30	00,00	00,00	– 140	+ 275	. .	. .	..	....	12.52
196. UZ CYGNI. R. A. 21h 55m.2, Dec. +43° 52′.															
			h. m. s.	° ′					″	″	s.	″			
V	R	..	21 53 23.5	+43 39.4	4.19	5.80	01,01	00,00	0	0	. .	. .	..	....	....
a	+43° 4096	7.5	21 52 35.0	+43 28.2	0.79	1.22	00,00	03,*02*	– 569	– 747	. .	. .	20	0000	8.42
b	+43° 4105	8.6	21 54 12.7	+43 30.0	7.32	2.22	03,*02*	03,*02*	+ 510	– 584	. .	. .	35	*11*00	8.62
c	+43° 4097	9.2	21 52 42.6	+43 34.6	1.35	4.35	00,00	00,00	– 463	– 236	. .	. .	18	0*1*00	8.97
d	+43° 4101	9.1	21 53 25.5	+43 39.1	4.32	5.70	*02*,03	00,00	+ 21	– 16	. .	. .	35	00*11*	9.15
e	.. ..	..	.. .. ..	.. .. ..	2.78	2.15	*03*,02	00,00	– 230	– 595	. .	. .	55	00*11*	9.50
f	+43° 4103	9.2	21 53 25.6	+43 23.5	4.28	*0.35*	02,*03*	00,00	+ 15	–1002	. .	. .	22	0001	10.05
g	.. ..	..	.. .. ..	.. .. ..	6.30	2.30	00,00	00,00	+ 344	– 570	. .	. .	25	2000	10.27
h	.. ..	..	.. .. ..	.. .. ..	6.40	5.98	00,00	02,*03*	+ 360	+ 29	. .	. .	32	1000	10.52
k	.. ..	..	.. .. ..	.. .. ..	4.88	6.15	02,*03*	00,00	+ 112	+ 57	. .	. .	30	001*1*	10.84
l	.. ..	..	.. .. ..	.. .. ..	4.30	4.85	00,00	00,00	+ 18	– 155	. .	. .	30	*1*100	11.14
m	.. ..	..	.. .. ..	.. .. ..	5.70	4.20	00,00	00,00	+ 246	– 261	. .	. .	28	*1*000	11.44
n	.. ..	..	.. .. ..	.. .. ..	5.20	5.35	00,00	00,00	+ 165	– 73	. .	. .	22	*1*011	11.72
o	.. ..	..	.. .. ..	.. .. ..	3.48	4.70	*03*,02	00,00	– 116	– 179	. .	. .	30	0000	11.94
p	.. ..	..	.. .. ..	.. .. ..	4.52	5.70	*02*,03	00,00	+ 54	– 16	. .	. .	..	....	12.24
197. V PEGASI. R. A. 21h 56m.0, Dec. +5° 38′.															
			h. m. s.	° ′					″	″	s.	″			
V	+ 5° 4928	9.1	21 53 46.9	+ 5 25.6	14.61	12.27	*01*,04	*02*,03	0	0	. .	. .	..	....	....
a	+ 5° 4915	8.0	21 51 21.6	+ 5 19.8	1.30	9.75	00,00	00,00	–2170	– 411	. .	. .	58	00*1*0	7.68
b	+ 5° 4924	8.3	21 53 18.5	+ 5 16.8	12.10	9.05	00,00	00,00	– 409	– 525	. .	. .	62	*1*200	8.26
c	+ 5° 4929	8.4	21 53 47.4	+ 5 8.6	14.72	5.90	03,*02*	00,00	+ 18	–1038	. .	. .	55	*11*00	8.88
d	+ 4° 4779	9.0	21 51 59.6	+ 4 54.9	5.10	0.90	00,00	00,00	–1550	–1853	. .	. .	60	0000	9.43
e	+ 5° 4920	9.3	21 52 58.6	+ 5 23.6	10.20	11.35	00,00	00,00	– 719	– 150	. .	. .	58	1*11*0	10.03
f	+ 5° 4930	9.5	21 54 1.9	+ 5 29.2	16.10	13.48	00,00	*03*,02	+ 243	+ 197	. .	. .	58	000*1*	10.61
g	.. ..	..	.. .. ..	.. .. ..	15.20	13.75	00,00	00,00	+ 96	+ 241	. .	. .	58	0*1*00	11.19

197. V Pegasi. R. A. 21h 56m.0, Dec. +5° 38′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
h	.. ..	..	.. .. ..	.. .. ..	10.12	12.18	02,03	03,02	− 732	− 15	. .	..	44	1011	11.77
k	.. ..	..	.. .. ..	.. .. ..	14.35	8.85	00,00	00,00	− 42	− 557	. .	..	34	0010	12.31
l	.. ..	..	.. .. ..	.. .. ..	13.30	12.05	00,00	00,00	− 214	− 86	. .	..	30	0101	12.69
m	.. ..	..	.. .. ..	.. .. ..	11.58	11.80	02,03	00,00	− 494	− 77	. .	..	30	.0.0	12.94
n	.. ..	..	.. .. ..	.. .. ..	15.30	11.45	00,00	00,00	+ 112	− 134	. .	..	25	.0.1	13.24
o	.. ..	..	.. .. ..	.. .. ..	15.68	12.30	02,03	00,00	+ 174	+ 5	. .	..	..	....	13.49

198. − Pegasi. R. A. 22h 1m.5, Dec. +33° 1′.
199. − Pegasi. R. A. 22h 1m.5, Dec. +33° 1′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V¹	R	..	21 59 32.1	+32 48.1	5.08	8.60	03,03	00,00	0	0	. .	..	..	....	....
V²	+32° 4335	9.5	21 59 29.5	+32 48.0	4.88	8.55	02,03	00,00	− 33	− 8	. .	..	..	....	....
a	+32° 4343	8.4	22 1 23.5	+32 43.4	13.60	6.55	00,00	00,00	+1389	− 334	. .	..	30	0220	8.27
b	+32° 4332	8.7	21 58 39.2	+32 7.2	0.90	6.30	00,00	00,00	− 681	−2429	. .	..	72	0001	8.57
c	+32° 4340	8.8	22 0 32.4	+32 52.5	9.85	10.22	00,00	02,03	+ 778	+ 264	. .	..	12	1000	9.29
d	+32° 4337	9.0	21 59 55.9	+32 53.8	7.10	10.68	00,00	02,03	+ 329	+ 339	. .	..	30	0011	9.41
e	+32° 4331	9.1	21 58 30.8	+32 36.5	0.40	4.10	00,00	00,00	− 763	− 734	. .	..	10	0011	9.71
f	+32° 4334	9.2	21 59 25.5	+32 39.5	4.68	5.45	03,02	00,00	− 65	− 513	. .	..	28	1110	9.81
g	.. ..	..	.. .. ..	.. .. ..	6.70	4.52	00,00	03,02	+ 264	− 665	. .	..	02	0010	10.09
h	+32° 4336	9.5	21 59 41.6	+32 41.9	5.90	6.32	00,00	02,03	+ 134	− 372	. .	..	08	0010	10.11
k	.. ..	..	.. .. ..	.. .. ..	4.68	7.70	03,02	00,00	− 65	− 147	. .	..	62	0100	10.19
l	+32° 4338	9.5	22 0 30.5	+32 43.4	9.60	6.95	00,00	00,00	+ 737	− 269	. .	..	10	1010	10.81
m	.. ..	..	.. .. ..	.. .. ..	6.35	7.00	00,00	00,00	+ 207	− 261	. .	..	18	1101	10.91
n	.. ..	..	.. .. ..	.. .. ..	6.10	8.75	00,00	00,00	+ 166	+ 24	. .	..	68	0221	11.09
o	.. ..	..	.. .. ..	.. .. ..	5.82	8.85	02,03	00,00	+ 121	+ 41	. .	..	12	0111	11.77
p	.. ..	..	.. .. ..	.. .. ..	6.30	8.20	00,00	00,00	+ 199	− 65	. .	..	32	1000	11.89
q	.. ..	..	.. .. ..	.. .. ..	6.50	9.50	00,00	00,00	+ 231	+ 147	. .	..	37	0.01	12.21
r	.. ..	..	.. .. ..	.. .. ..	7.40	8.02	00,00	03,02	+ 378	− 95	. .	..	20	..00	12.58
s	.. ..	..	.. .. ..	.. .. ..	5.15	8.20	00,00	00,00	+ 11	− 65	. .	..	20	..0.	12.78
t	.. ..	..	.. .. ..	.. .. ..	5.10	9.25	00,00	00,00	+ 3	+ 106	. .	..	10	..0.	12.98
u	.. ..	..	.. .. ..	.. .. ..	4.70	9.12	00,00	03,02	− 62	+ 85	. .	..	..	....	13.08

200. − Octantis. R. A. 22h 5m.7, Dec. −85° 10′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	−85° 535	9.1	22 1 13	−85 17.0	1.58	5.25	03,02	00,00	0	0	. .	..	..	....	....
a	−85° 527	8.7	21 27 28	−85 6.8	12.75	7.52	00,00	03,02	−2565	+ 406	. .	..	30	0000	8.65
b	−85° 531	9.0	21 41 58	−85 19.5	6.30	4.10	00,00	00,00	−1411	− 206	. .	..	02	0100	8.95
c	−85° 533	9.0	21 51 13	−85 9.8	2.68	7.58	03,02	02,03	− 763	+ 417	. .	..	15	1201	8.97
d	−85° 536	9.1	22 4 11	−85 9.9	2.80	7.60	00,00	00,00	+ 218	+ 421	. .	..	05	0011	9.12
e	−85° 537	9.1	22 12 8	−85 31.9	5.82	0.22	03,02	03,02	+ 759	− 900	. .	..	38	1101	9.17
f	−85° 532	9.5	21 47 15	−85 30.5	3.80	0.48	00,00	02,03	− 963	− 854	. .	..	35	0110	9.55
g	.. ..	..	.. .. ..	.. .. ..	8.60	5.38	00,00	02,03	+1257	+ 23	. .	..	28	1101	9.90
h	.. ..	..	.. .. ..	.. .. ..	0.15	5.75	00,00	00,00	− 256	+ 90	. .	..	18	1000	10.18
k	.. ..	..	.. .. ..	.. .. ..	7.48	4.40	02,03	00,00	+1056	− 52	. .	..	28	1110	10.36
l	.. ..	..	.. .. ..	.. .. ..	2.25	4.80	00,00	00,00	− 686	− 181	. .	..	18	0001	10.64
m	.. ..	..	.. .. ..	.. .. ..	3.40	6.30	00,00	00,00	+ 326	+ 188	. .	..	40	1100	10.82

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
200. – OCTANTIS. R. A. 22^{h} 5^{m}.7, Dec. −85° 10′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
n	.. ..	..	.. .. ..	.. .. ..	0.05	4.35	00,00	00,00	− 274	− 161	..	..	50	..0.	11.22
o	.. ..	..	.. .. ..	.. .. ..	1.75	4.22	00,00	*02*,03	+ 30	− 184	..	..	20	..0.	11.72
p	.. ..	..	.. .. ..	.. .. ..	1.00	5.35	00,00	00,00	− 104	+ 18	..	..	..	....	11.92
201. X AQUARII (No. 2). R. A. 22^{h} 13^{m}.2, Dec. −21° 24′.															
			h. m. s.	° ′					″	″	s.	″			
V	.. ..	..	22 10 41.8	−21 37.3	3.15	6.18	00,00	*03*,02	0	0	..	..	..	....	....
a	−21° 6197	7.7	22 10 36.2	−21 27.3	2.68	9.35	*03*,02	00,00	− 84	+ 567	0.4	30	43	00*10*	8.00
b	−21° 6193	8.6	22 10 27.7	−21 43.3	2.15	4.12	00,00	*02*,03	− 179	− 369	*1.3*	6	51	10*11*	8.43
c	−21° 6194	9.3	22 10 31.9	−21 17.9	2.40	12.75	00,00	00,00	− 134	+1176	*0.3*	*12*	46	*1*001	8.94
d	−21° 6200	9.5	22 11 25.9	−21 31.3	6.60	8.25	00,00	00,00	+ 618	+ 371	*0.2*	*12*	36	*1*000	9.40
e	.. ..	..	.. .. ..	.. .. ..	1.42	5.82	03,*02*	03,*02*	− 310	− 64	..	..	39	0121	9.76
f	−21° 6208	9.8	22 11 50.8	−21 34.8	8.42	7.15	03,*02*	00,00	+ 948	+ 174	1.4	*24*	37	0020	10.15
g	.. ..	..	.. .. ..	.. .. ..	*0.70*	3.30	00,00	00,00	− 689	− 516	..	..	48	1110	10.53
h	.. ..	..	.. .. ..	.. .. ..	6.68	7.40	*03*,02	00,00	+ 632	+ 218	..	..	37	*2111*	10.95
k	.. ..	..	.. .. ..	.. .. ..	0.25	1.55	00,00	00,00	− 519	− 829	..	..	42	1101	11.32
l	.. ..	..	.. .. ..	.. .. ..	3.20	8.60	00,00	00,00	+ 9	+ 433	..	..	25	0101	11.70
m	.. ..	..	.. .. ..	.. .. ..	3.35	9.20	00,00	00,00	+ 36	+ 541	..	..	30	0*1*01	*11.97*
n	.. ..	..	.. .. ..	.. .. ..	2.70	7.20	00,00	00,00	− 81	+ 183	..	..	12	0001	*12.27*
o	.. ..	..	.. .. ..	.. .. ..	3.30	7.15	00,00	00,00	+ 27	+ 174	..	..	05	0101	*12.39*
p	.. ..	..	.. .. ..	.. .. ..	3.15	6.70	00,00	00,00	0	+ 93	..	..	..	....	*12.44*
202. – AQUARII. R. A. 22^{h} 16^{m}.5, Dec. −8° 7.′															
			h. m. s.	° ′					″	″	s.	″			
V	− 8° 5858	8.5	22 14 4.6	− 8 20.0	13.55	12.54	00,00	01,01	0	0	..	..	..	....	....
a	− 8° 5851	8.6	22 11 31.6	− 8 31.7	0.85	9.62	00,00	03,*02*	−2273	− 523	..	..	30	00*11*	8.23
b	− 8° 5862	9.0	22 14 53.1	− 8 10.8	17.48	15.58	02,*03*	*03*,02	+ 703	+ 544	..	..	05	1010	8.53
c	− 8° 5854	9.0	22 12 6.7	− 8 24.4	3.75	10.98	00,00	*03*,02	−1754	− 279	..	..	62	00*12*	8.58
d	− 8° 5863	9.2	22 14 57.7	− 8 22.9	17.82	11.62	*02*,03	*02*,03	+ 764	− 165	..	..	20	*1*001	9.20
e	− 8° 5861	9.0	22 14 38.6	− 8 11.6	16.30	15.35	00,00	00,00	+ 492	+ 503	..	..	25	2000	9.40
f	− 8° 5857	9.0	22 13 34.2	− 8 23.7	11.02	11.28	*02*,03	*03*,02	− 453	− 226	..	..	05	1100	9.65
g	− 8° 5859	9.5	22 14 19.8	− 8 16.9	15.02	13.62	*02*,03	*02*,03	+ 263	+ 193	..	..	42	1000	9.70
h	.. ..	..	.. .. ..	.. .. ..	18.35	11.10	00,00	00,00	+ 859	− 258	..	..	35	0*11*0	10.12
k	.. ..	..	.. .. ..	.. .. ..	11.25	11.58	00,00	02,*03*	− 412	− 172	..	..	10	1*1*00	10.47
l	.. ..	..	.. .. ..	.. .. ..	15.15	11.65	00,00	00,00	+ 286	− 159	..	..	10	10*1*0	10.57
m	.. ..	..	.. .. ..	.. .. ..	13.20	14.80	00,00	00,00	− 63	+ 405	..	..	52	0010	10.67
n	.. ..	..	.. .. ..	.. .. ..	13.75	15.52	00,00	03,*02*	+ 36	+ 533	..	..	30	0000	11.19
o	.. ..	..	.. .. ..	.. .. ..	16.18	11.75	*03*,02	00,00	+ 471	− 141	..	..	23	.100	11.49
p	.. ..	..	.. .. ..	.. .. ..	13.15	15.28	00,00	*03*,02	− 72	+ 490	..	..	03	.010	11.72
q	.. ..	..	.. .. ..	.. .. ..	17.20	12.80	00,00	00,00	+ 658	+ 47	..	..	..	....	11.75
203. RT AQUARII. R. A. 22^{h} 17^{m}.7, Dec. −22° 34′.															
			h. m. s.	° ′					″	″	s.	″			
V	−22° 5901	9.4	22 15 12.2	−22 47.5	12.18	7.81	*03,03*	*01,01*	0	0	..	..	..	....	....
a	−22° 5899	9.0	22 14 44.2	−22 54.3	9.85	5.60	00,00	00,00	− 417	− 396	..	..	10	1*11*1	8.82

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
203. RT AQUARII. R. A. 22^h 17^m.7, Dec. −22° 34′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
b	−22° 5903	9.0	22 15 54.3	−22 33.4	15.35	10.75	00,00	00,00	+ 567	+ 526	. .	. .	60	2*11*0	8.92
c	B	. .	. . . . . .	. . . . . .	15.02	2.80	*02*,03	00,00	+ 508	− 897	. .	. .	05	1010	9.52
d	−22° 5906	9.7	22 16 52.8	−22 55.9	19.75	5.08	00,00	*03*,02	+1355	− 489	. .	. .	15	00*2*0	9.57
e	B	. .	. . . . . .	. . . . . .	18.15	1.55	00,00	00,00	+1069	−1121	. .	. .	58	*111*2	9.72
f	−22° 5898	9.9	22 13 51.2	−22 39.0	5.80	10.60	00,00	00,00	−1142	+ 499	. .	. .	18	00*1*0	10.30
g	B	. .	. . . . . .	. . . . . .	14.38	6.70	02,*03*	00,00	+ 394	− 199	. .	. .	22	0001	10.48
h	B	. .	. . . . . .	. . . . . .	15.70	6.40	00,00	00,00	+ 630	− 252	. .	. .	08	1*11*0	10.70
k	. . . .	. .	. . . . . .	. . . . . .	9.62	7.05	*02*,03	00,00	− 458	− 136	. .	. .	25	0002	10.78
l	. . . .	. .	. . . . . .	. . . . . .	8.30	6.75	00,00	00,00	− 695	− 190	. .	. .	20	0000	11.03
m	B	. .	. . . . . .	. . . . . .	13.78	7.30	02,*03*	00,00	+ 286	− 91	. .	. .	38	0*1*00	11.23
n	. . . .	. .	. . . . . .	. . . . . .	13.20	9.60	00,00	00,00	+ 183	+ 320	. .	. .	30	*1*11*1*	11.61
o	. . . .	. .	. . . . . .	. . . . . .	11.35	7.55	00,00	00,00	− 149	− 47	. .	. .	28	*1*10*1*	11.91
p	. . . .	. .	. . . . . .	. . . . . .	13.10	6.52	00,00	*02*,03	+ 165	− 231	. .	. .	43	1*1*.1	12.19
q	. . . .	. .	. . . . . .	. . . . . .	13.88	7.25	*03*,02	00,00	+ 304	− 100	. .	. .	. .	. . . .	*12.62*
204. T GRUIS. R. A. 22^h 19^m.9, Dec. −38° 4′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−38°15044	8.7	22 18 23.4	−38 12.0	0.55	2.30	00,00	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	30650	7.2	22 21 51.7	−37 36 28	*13.22*	*9.60*	*03*,02	00,00	+2465	+2130	. .	. .	42	1*11*0	7.34
b	30585	7.5	22 17 47.3	−38 27 37	2.88	7.50	*03*,02	00,00	− 417	− 931	. .	. .	50	*1*100	7.76
c	30601	9.0	22 18 54.4	−37 53 46	*1.55*	*3.75*	00,00	00,00	+ 376	+1083	. .	. .	22	0100	8.26
d	−38°15054	9.1	22 20 11.8	−38 18.3	*6.65*	4.60	00,00	00,00	+1289	− 412	. .	. .	45	1*11*1	8.48
e	−38°15041	9.6	22 17 53.8	−38 23.3	2.35	6.08	00,00	02,*03*	− 322	− 677	. .	. .	40	0000	8.98
f	−38°15050	9.4	22 19 39.9	−38 26.7	*4.50*	6.75	00,00	00,00	+ 904	− 797	. .	. .	42	1000	9.33
g	−38°15058	9.6	22 20 34.7	−38 26.3	*8.20*	7.10	00,00	00,00	+1566	− 859	. .	. .	30	0000	9.75
h	−38°15037	9.9	22 17 40.9	−38 13.7	3.20	2.50	00,00	00,00	− 474	− 36	. .	. .	35	0*11*0	10.05
k	−38°15030	9.8	22 16 39.1	−38 14.0	7.25	2.80	00,00	00,00	−1199	− 90	. .	. .	32	1000	10.40
l	−38°15049	10.0	22 18 58.9	−38 9.7	*1.95*	1.40	00,00	00,00	+ 448	+ 161	. .	. .	45	1100	10.72
m	. . . .	. .	. . . . . .	. . . . . .	0.25	1.78	00,00	02,*03*	+ 54	+ 93	. .	. .	. .	. . . .	11.17
205. S GRUIS. R. A. 22^h 19^m.9, Dec. −48° 57′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	. . . .	. .	22 18 21.7	−49 4 20	0.20	7.55	00,00	00,00	0	0	. .	. .	. .	. . . .	. . . .
a	30614	7.3	22 19 35.7	−49 59 22	4.22	*10.82*	*02*,03	*03*,02	+ 720	−3288	0.1	*13*	30	*1*001	7.02
b	30556	7.1	22 16 36.4	−49 29 27	*5.58*	*0.88*	03,*02*	*02*,03	−1035	−1509	0.7	3	52	1000	7.32
c	30561	7.4	22 16 42.0	−49 26 49	*5.25*	0.00	00,00	00,00	− 976	−1351	0.3	2	32	1000	7.84
d	30646	8.5	22 21 43.1	−49 8 41	11.20	6.10	00,00	00,00	+1969	− 260	*0.4*	0	42	*1*101	8.16
e	30638	8.5	22 21 7.9	−48 43 19	9.28	14.55	*03*,02	00,00	+1625	+1253	*0.5*	8	42	0001	8.58
f	−48°14210	9.5	22 19 2.0	−48 59.6	2.32	9.18	*02*,03	*03*,02	+ 379	+ 292	. .	. .	20	0000	9.00
g	−48°14211	9.6	22 19 14.6	−48 57.6	3.10	9.75	00,00	00,00	+ 519	+ 394	. .	. .	40	20*11*	9.20
h	−49°13850	9.8	22 19 27.8	−49 27.0	3.75	0.05	00,00	00,00	+ 635	−1342	. .	. .	40	*1*001	9.60
k	−49°13853	10.0	22 19 46.3	−49 12.4	4.80	4.80	00,00	00,00	+ 823	− 492	. .	. .	38	000*1*	10.00
l	. . . .	. .	. . . . . .	. . . . . .	*3.20*	9.60	00,00	00,00	− 609	+ 367	. .	. .	45	0101	10.38
m	. . . .	. .	. . . . . .	. . . . . .	*0.38*	6.40	*02*,03	00,00	− 104	− 206	. .	. .	45	0110	10.83
n	. . . .	. .	. . . . . .	. . . . . .	1.10	5.95	00,00	00,00	+ 161	− 286	. .	. .	40	0000	11.28

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
205. S Gruis. R. A. 22h 19m.9, Dec. −48° 57′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
o	.. ..	..	.. .. ..	.. .. ..	1.90	6.92	00,00	03,*02*	+ 304	− 113	..	..	43	100.	11.68
p	.. ..	..	.. .. ..	.. .. ..	*0.15*	6.02	00,00	*02*,03	+ 63	− 274	..	..	..	....	12.11
206. T Piscis Austrini. R. A. 22h 20m.5, Dec. −29° 35′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	30605	8.0	22 19 6.6	−29 42 55	20.50	4.62	00,00	*02,02*	0	0	..	..	..	....	....
a	30510	8.5	22 14 33.6	−29 24.3	0.68	10.90	*03*,02	00,00	−3548	+1124	..	..	60	0*1*01	7.90
b	30661	8.5	22 22 28.2	−29 21 48	34.90	11.60	00,00	00,00	+2578	+1249	..	..	42	011*1*	8.50
c	30600	8.5	22 18 52.8	−29 21 14	19.55	11.85	00,00	00,00	− 170	+1294	..	..	*02*	0*1*11	8.92
d	30567	9.0	22 17 9.6	−29 18 19	12.10	12.80	00,00	00,00	−1504	+1464	..	..	48	1*11*0	8.90
e	−29° 18350	9.2	22 21 39.9	−29 22.4	31.75	11.30	00,00	00,00	+2014	+1196	..	..	42	1*121*	9.38
f	−29° 18338	9.2	22 19 53.0	−29 17.2	24.02	12.85	03,*02*	00,00	+ 630	+1473	..	..	32	10*1*1	9.80
g	−29° 18331	9.5	22 18 19.5	−29 38.6	17.20	6.10	00,00	00,00	− 591	+ 265	..	..	32	1000	10.12
h	−29° 18334	9.5	22 18 46.6	−29 34.6	19.20	7.80	00,00	00,00	− 233	+ 480	..	..	38	10*11*	10.44
k	−29° 18338	9.8	22 18 38.3	−29 48.9	18.58	2.70	02,*03*	00,00	− 344	− 344	..	..	25	0002	10.82
l	−29° 18340	10.0	22 20 1.7	−29 55.1	24.70	0.40	00,00	00,00	+ 752	− 755	..	..	40	1*221*	11.07
m	−29° 18342	10.0	22 20 10.2	−29 43.1	25.35	4.75	00,00	00,00	+ 868	+ 23	..	..	25	1001	11.47
n	−29° 18339	10.0	22 20 1.6	−29 43.5	24.95	4.32	00,00	03,*02*	+ 797	− 54	..	..	52	011*1*	11.72
o	.. ..	..	.. .. ..	.. .. ..	20.40	7.20	00,00	00,00	− 18	+ 462	..	..	38	*1*000	12.24
p	.. ..	..	.. .. ..	.. .. ..	19.28	4.95	*03*,02	00,00	− 218	+ 59	..	..	..	....	12.62
207. S Lacertae. R. A. 22h 24m.6, Dec. +39° 48′.															
			h. m. s.	° ′					″	″	s.	″			
V	+39° 4851	8.8	22 22 39.7	+39 33.6	11.38	11.15	*03*,02	00,00	0	0	..	..	..	....	....
a	+39° 4856	8.0	22 24 7.7	+39 27.5	17.62	8.60	03,*02*	00,00	+1017	− 416	..	..	12	0001	8.05
b	+39° 4837	8.2	22 20 28.0	+39 48.3	2.10	16.35	00,00	00,00	−1513	+ 848	..	..	20	100*1*	8.17
c	+39° 4850	8.5	22 22 7.2	+39 8.6	9.28	1.85	02,*03*	00,00	− 342	−1516	..	..	55	*2*000	8.37
d	+39° 4842	8.8	22 21 6.7	+39 44.0	4.70	14.90	00,00	00,00	−1089	+ 611	..	..	25	1001	8.92
e	+39° 4858	8.8	22 24 24.1	+39 21.5	18.95	6.62	00,00	*02*,03	+1234	− 738	..	..	10	*1*010	9.17
f	+39° 4857	8.8	22 24 20.7	+39 14.5	18.75	4.35	00,00	00,00	+1201	−1108	..	..	18	00*1*0	9.27
g	+39° 4848	9.1	22 21 57.3	+39 50.7	8.30	16.78	00,00	02,*03*	− 502	+ 918	..	..	32	0010	9.45
h	+39° 4853	9.4	22 23 12.4	+39 36.0	13.65	11.70	00,00	00,00	+ 370	+ 90	..	..	28	01*11*	9.77
k	+39° 4846	9.2	22 21 44.7	+39 26.1	7.55	7.90	00,00	00,00	− 624	− 530	..	..	25	1010	10.05
l	.. ..	..	.. .. ..	.. .. ..	14.08	10.02	*03*,02	03,*02*	+ 440	− 184	..	..	52	101*1*	10.30
m	+39° 4854	9.5	22 23 19.2	+39 28.0	14.25	9.10	00,00	00,00	+ 468	− 334	..	..	15	0*1*0*1*	10.82
n	.. ..	..	.. .. ..	.. .. ..	8.15	9.58	00,00	*03*,02	− 526	− 256	..	..	32	21*11*	10.97
o	.. ..	..	.. .. ..	.. .. ..	12.90	10.40	00,00	00,00	+ 248	− 122	..	..	20	*1*010	11.29
p	.. ..	..	.. .. ..	.. .. ..	10.80	10.40	00,00	00,00	− 95	− 122	..	..	50	*1*001	11.49
q	.. ..	..	.. .. ..	.. .. ..	9.95	10.48	00,00	02,*03*	− 233	− 109	..	..	40	.*1*10	11.99
r	.. ..	..	.. .. ..	.. .. ..	11.20	11.78	00,00	02,*03*	− 29	+ 103	..	..	35	..*1*0	12.39
s	.. ..	..	.. .. ..	.. .. ..	9.80	12.00	00,00	00,00	− 258	+ 139	..	..	20	...0	12.74
t	.. ..	..	.. .. ..	.. .. ..	11.30	11.40	00,00	00,00	− 13	+ 41	..	..	30	...0	*12.94*
u	.. ..	..	.. .. ..	.. .. ..	11.85	11.50	00,00	00,00	+ 77	+ 57	..	..	..	....	*13.24*

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
208. – LACERTAE. R. A. 22h 45m.4, Dec. +40° 30′.															
			h. m. s.	° ′					″	″	s.	″			
V	R	..	22 43 24.7	+40 15.8	16.10	16.18	00,00	02,02	0	0	..	..	..	....	....
a	+39° 4937	7.6	22 43 7.6	+39 44.7	14.82	4.32	*02*,03	*02*,03	– 209	–1933	..	..	28	*11*10	7.98
b	+40° 4925	8.3	22 45 13.7	+40 34.6	23.68	22.35	02,*03*	00,00	+1236	+1006	..	..	55	00*2*0	8.26
c	+40° 4924	8.9	22 45 8.1	+40 32.3	23.20	21.70	00,00	00,00	+1157	+ 900	..	..	35	*1*00*1*	8.81
d	+40° 4910	8.5	22 41 13.9	+40 19.3	6.88	16.82	02,*03*	03,*02*	–1503	+ 104	..	..	12	0010	9.16
e	+40° 4905	9.1	22 40 19.2	+40 32.5	3.15	21.65	00,00	00,00	–2111	+ 892	..	..	50	0*1*10	9.28
f	+40° 4923	9.2	22 44 8.3	+40 18.2	19.12	16.70	03,*02*	00,00	+ 492	+ 85	..	..	28	*1*0*1*1	9.78
g	+40° 4917	9.4	22 43 6.3	+40 11.7	14.88	14.38	*03*,02	02,*03*	– 199	– 293	..	..	28	10*11*	10.06
h	R	..	.. .. ..	.. .. ..	16.25	16.25	00,00	00,00	+ 24	+ 11	..	..	18	0*1*1*1*	10.34
k	.. ..	..	.. .. ..	.. .. ..	12.28	14.48	02,*03*	02,*03*	– 623	– 277	..	..	35	*1*0*1*0	10.52
l	.. ..	..	.. .. ..	.. .. ..	11.08	17.30	02,*03*	00,00	– 818	+ 183	..	..	30	1*1*1*1*	10.87
m	.. ..	..	.. .. ..	.. .. ..	16.18	14.28	02,*03*	02,*03*	+ 13	– 310	..	..	30	00*1*1	11.17
n	.. ..	..	.. .. ..	.. .. ..	14.58	15.20	*03*,02	00,00	– 248	– 160	..	..	28	000*1*	11.47
o	. ..	..	.. .. ..	.. .. ..	17.25	16.70	00,00	00,00	+ 187	+ 85	..	..	20	001*1*	11.75
p	.. ..	..	.. .. ..	.. .. ..	16.45	15.38	00,00	*03*,02	+ 57	– 130	..	..	50	0000	11.95
q	.. ..	..	.. .. ..	.. .. ..	15.70	16.90	00,00	00,00	– 65	+ 117	..	..	22	0100	12.45
r	.. ..	..	.. .. ..	.. .. ..	15.20	17.20	00,00	00,00	– 147	+ 166	..	..	15	0*11*0	12.67
s	.. ..	..	.. .. ..	.. .. ..	16.65	16.30	00,00	00,00	+ 90	+ 21	..	..	..	....	12.82
209. – PISCIS AUSTRINI. R. A. 22h 46m.7, Dec. –25° 49′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	–25° 16142	9.5	22 45 19.6	–25 57.2	15.90	9.82	00,00	*02*,*02*	0	0	..	..	..	....	....
a	31134	8.5	22 46 18.6	–25 48 40	20.32	12.38	*02*,03	*03*,02	+ 791	+ 548	..	..	40	010*1*	7.29
b	–26° 16364	8.1	22 46 0.6	–26 10.8	18.80	5.10	00,00	00,00	+ 519	– 755	..	..	22	1000	7.69
c	–25° 16153	7.8	22 46 3.1	–25 52.6	19.20	11.25	00,00	00,00	+ 591	+ 345	..	..	52	01*1*1	7.91
d	–25° 16151	8.7	22 45 48.5	–25 45.2	18.20	13.40	00,00	00,00	+ 412	+ 730	..	..	25	0011	8.43
e	–25° 16120	9.1	22 41 59.0	–25 47.1	0.75	12.62	00,00	*02*,03	–2712	+ 591	..	..	40	001*1*	8.68
f	–26° 16362	9.2	22 45 43.4	–26 15.0	17.70	3.65	00,00	00,00	+ 322	–1015	..	..	25	2*1*01	9.08
g	–25° 16145	9.2	22 45 25.2	–25 45.9	16.35	13.48	00,00	02,*03*	+ 81	+ 745	..	..	25	0101	9.33
h	–26° 16353	9.5	22 44 42.4	–26 10.0	13.18	5.25	02,*03*	00,00	– 487	– 729	..	..	45	0020	9.58
k	–26° 16352	9.7	22 44 39.5	–26 11.8	12.90	4.78	00,00	*03*,02	– 537	– 813	..	..	28	*11*1*0*	10.03
l	–26° 16361	10.0	22 45 41.2	–26 2.9	17.60	7.90	00,00	00,00	+ 304	– 254	..	..	30	10*1*0	10.31
m	–25° 16139	10.0	22 44 45.1	–25 58.2	13.35	9.08	00,00	02,*03*	– 456	– 43	..	..	48	0*11*1	10.61
n	.. ..	..	.. .. ..	.. .. ..	15.40	7.75	00,00	00,00	– 90	– 281	..	..	28	0*1*00	11.09
o	.. ..	..	.. .. ..	.. .. ..	14.05	9.35	00,00	00,00	– 331	+ 5	..	..	28	*1*000	11.37
p	.. ..	..	.. .. ..	.. .. ..	14.28	10.40	*03*,02	00,00	– 290	+ 193	..	..	..	....	11.65
210. RW PEGASI. R. A. 22h 59m.3, Dec. +14° 46.′															
			h. m. s.	° ′					″	″	s.	″			
V	+14° 4925	9.4	22 56 59.1	+14 31.8	0.80	3.42	00,00	03,03	0	0	..	..	..	....	....
a	+15° 4750	8.8	22 55 20.8	+15 3.6	....	....	....	....	..	..	..	..	38	*1*11*2*	8.66
b	+14° 4924	9.0	22 55 39.7	+14 29.6	*6.40*	2.68	00,00	02,*03*	–1174	– 121	..	..	25	0020	9.04
c	+14° 4931	9.2	22 59 44.0	+14 10.8	15.42	*3.95*	03,*02*	00,00	+2383	–1201	..	..	72	01*1*1	9.29
d	+15° 4755	9.0	22 56 43.1	+15 7.8	*0.75*	16.75	00,00	00,00	– 253	+2173	..	..	22	*1*101	10.01
e	+14° 4928	9.5	22 57 54.7	+14 30.1	5.62	2.75	*02*,03	00,00	+ 786	– 109	..	..	22	0010	10.23
f	+14° 4927	9.3	22 57 40.2	+14 16.2	4.65	*2.22*	00,00	02,*03*	+ 628	– 919	..	..	48	*1*000	10.45

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
210. RW Pegasi. R. A. $22^h 59^m.3$, Dec. +14° 46′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
g	R	..	.. .. ..	.. .. ..	0.40	4.78	00,00	*03*,02	− 65	+ 222	. .	..	25	0101	10.67
h	.. ..	..	.. .. ..	.. .. ..	1.80	*1.52*	00,00	*03*,02	+ 163	− 805	. .	..	20	*1*001	10.92
k	.. ..	..	.. .. ..	.. .. ..	1.55	1.50	00,00	00,00	+ 122	− 313	. .	..	30	001*1*	11.12
l	.. ..	..	.. .. ..	.. .. ..	0.22	2.75	03,*02*	00,00	− 95	− 109	. .	..	22	0100	11.42
m	.. ..	..	.. .. ..	.. .. ..	6.85	0.62	00,00	03,*02*	+ 986	− 456	. .	..	25	0011	11.64
n	.. ..	..	.. .. ..	.. .. ..	*3.30*	7.05	00,00	00,00	− 668	+ 592	. .	..	20	0000	11.89
o	.. ..	..	.. .. ..	.. .. ..	0.78	3.80	02,*03*	00,00	− 3	+ 62	. .	..	10	.00.	*12.09*
p	.. ..	..	.. .. ..	.. .. ..	2.30	2.90	00,00	00,00	+ 244	− 85	. .	..	22	10..	*12.19*
q	.. ..	..	.. .. ..	.. .. ..	2.00	4.35	00,00	00,00	+ 196	+ 152	. .	..	20	00..	*12.41*
r	.. ..	..	.. .. ..	.. .. ..	*0.25*	2.58	00,00	*03*,02	− 171	− 137	. .	..	..	....	*12.61*
211. Y Sculptoris. R. A. $23^h 3^m.7$, Dec. −30° 40′.															
			h. m. s.	° ′					″	″	s.	″			
V	−30° 19448	7.8	23 2 17.4	−30 48.8	*7.75*	4.60	00,00	00,00	0	0	. .	..	..	....	....
a	−30° 19482	8.3	23 6 50.6	−30 19.4	11.95	14.30	00,00	00,00	+3526	+1736	. .	..	50	0000	7.26
b	−30° 19462	8.8	23 4 24.3	−30 40.5	1.32	7.18	*02*,03	02,*03*	+1624	+ 462	. .	..	38	*1*000	7.76
c	−30° 19438	8.3	23 0 54.2	−30 54.6	*13.75*	2.65	00,00	00,00	−1074	− 349	. .	..	40	*1*001	8.14
d	−30° 19459	8.5	23 3 57.8	−30 35.7	*0.50*	.8.90	00,00	00,00	+1298	+ 770	. .	..	42	*1*110	8.54
e	−30° 19464	8.9	23 4 44.4	−30 49.8	2.80	4.15	00,00	00,00	+1888	− 81	. .	..	45	0101	8.96
f	−30° 19447	9.4	23 2 10.1	−30 39.2	*8.15*	7.80	00,00	00,00	− 72	+ 573	. .	..	48	0*1*00	9.41
g	−30° 19453	9.6	23 3 6.2	−30 56.9	*4.10*	1.80	00,00	00,00	+ 653	− 501	. .	..	45	0110	9.89
h	−30° 19446	9.8	23 2 7.1	−30 43.5	*8.42*	6.25	*03*,02	00,00	− 120	+ 295	. .	..	42	0001	10.34
k	−30° 19450	10.0	23 2 39.7	−30 43.9	*6.00*	6.20	00,00	00,00	+ 313	+ 286	. .	..	40	0000	10.76
l	.. ..	..	.. .. ..	.. .. ..	*9.15*	2.75	00,00	00,00	− 251	− 331	. .	..	45	0002	11.16
m	.. ..	..	.. .. ..	.. .. ..	*8.40*	4.20	00,00	00,00	− 116	− 72	. .	..	..	....	11.61
212. RU Aquarii. R. A. $23^h 19^m.2$, Dec. −17° 52′.															
			h. m. s.	° ′					″	″	s.	″			
V	−18° 6299	9.2	23 16 48.5	−18 6.9	5.20	5.64	00,00	*04*,01	0	0	. .	..	..	....	....
a	−18° 6291	8.8	23 13 44.9	−18 18.4	19.70	9.35	00,00	00,00	−2596	− 664	. .	..	25	0011	8.18
b	−18° 6300	8.5	23 16 56.1	−18 25.4	4.60	11.80	00,00	00,00	+ 107	−1103	. .	..	25	1100	8.43
c	−18° 6304	8.3	23 17 28.7	−18 25.4	2.05	11.85	00,00	00,00	+ 564	−1112	. .	..	40	*1*11*1*	8.68
d	−17° 6741	9.0	23 15 11.9	−17 58.4	12.70	2.65	00,00	00,00	−1342	+ 535	. .	..	28	*11*10	9.08
e	−18° 6301	9.5	23 17 15.4	−18 25.3	3.10	11.75	00,00	00,00	+ 376	−1094	. .	..	25	0110	9.36
f	.. ..	..	.. .. ..	.. .. ..	9.70	8.70	00,00	00,00	− 806	− 548	. .	..	25	1010	9.61
g	−18° 6293	9.5	23 16 4.9	−18 7.5	8.50	5.80	00,00	00,00	− 591	− 29	. .	..	28	000*1*	9.86
h	.. ..	..	.. .. ..	.. .. ..	9.35	6.70	00,00	00,00	− 743	− 190	. .	..	35	*1111*	10.14
k	.. ..	..	.. .. ..	.. .. ..	5.20	5.20	00,00	00,00	0	+ 79	. .	..	28	*11*10	10.49
l	.. ..	..	.. .. ..	.. .. ..	5.05	1.32	00,00	*02*,03	+ 27	+ 773	. .	..	40	.*1*10	10.77
m	.. ..	..	.. .. ..	.. .. ..	5.82	3.80	03,*02*	00,00	− 111	+ 329	. .	..	..	....	11.17
213. Z Andromedae. R. A. $23^h 28^m.8$, Dec. +48° 16′.															
			h. m. s.	° ′					″	″	s.	″			
V	+48° 4093	9.5	23 26 41.7	+48 1.3	7.98	12.24	02,02	01,01	0	0	. .	..	..	....	....
a	+47° 4186	8.0	23 25 35.7	+47 34.1	4.15	2.30	00,00	00,00	− 624	−1620	. .	..	28	1*1*0*1*	8.13

213. Z ANDROMEDAE. R. A. 23ʰ 28ᵐ.8, Dec. +48° 16′ (continued).

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
b	+48° 4101	8.9	23 27 47.8	+48 14.8	11.80	18.28	00,00	*03*,02	+ 623	+ 985	. .	. .	45	0020	8.41
c	+47° 4192	8.5	23 26 51.2	+47 53.1	8.70	9.32	00,00	*02*,03	+ 117	− 476	. .	. .	12	0010	8.86
d	+48° 4090	8.8	23 26 18.3	+48 8.6	6.35	14.88	00,00	*03*,02	− 266	+ 430	. .	. .	40	001*1*	8.98
e	+47° 4193	9.1	23 27 26.4	+47 46.0	10.85	6.85	00,00	00,00	+ 468	− 879	. .	. .	48	*11*10	9.38
f	+48° 4094	9.3	23 26 53.2	+48 11.3	8.55	15.90	00,00	00,00	+ 93	+ 597	. .	. .	05	0011	9.86
g	+47° 4188	8.9	23 25 40.0	+47 58.2	4.20	11.10	00,00	00,00	− 616	− 186	. .	. .	45	1001	9.91
h	+48° 4088	9.5	23 25 46.5	+48 6.4	4.35	14.20	00,00	00,00	− 592	+ 319	. .	. .	32	0*11*1	10.36
k	.. ..	..	.. .. ..	.. .. ..	7.12	10.82	03,*02*	03,*02*	− 140	− 231	. .	. .	58	*1*000	10.68
l	.. ..	..	.. .. ..	.. .. ..	10.58	10.85	*03*,02	00,00	+ 424	− 227	. .	. .	30	0*11*0	11.26
m	.. ..	..	.. .. ..	.. .. ..	9.32	14.75	03,*02*	00,00	+ 218	+ 409	. .	. .	05	0011	11.56
n	.. ..	..	.. .. ..	.. .. ..	11.35	11.65	00,00	00,00	+ 549	− 96	. .	. .	55	*11*00	11.61
o	.. ..	..	.. .. ..	.. .. ..	5.88	13.25	*03*,02	00,00	− 342	+ 165	. .	. .	32	0100	12.16
p	.. ..	..	.. .. ..	.. .. ..	8.95	12.88	00,00	*03*,02	+ 158	+ 104	. .	. .	37	.*1*00	12.48
q	.. ..	..	.. .. ..	.. .. ..	9.62	12.20	*02*,03	00,00	+ 267	− 7	. .	. .	43	.*11*1	12.85
r	.. ..	..	.. .. ..	.. .. ..	8.25	11.70	00,00	00,00	+ 44	− 88	. .	. .	20	..00	*13.28*
s	.. ..	..	.. .. ..	.. .. ..	7.70	12.62	00,00	*02*,03	− 46	+ 62	. .	. .	..	....	*13.48*

214. – ANDROMEDAE. R. A. 23ʰ 33ᵐ.8, Dec. +35° 13′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′ ″					″	″	s.	″			
V	+34° 4974	9.1	23 31 33.3	+34 57.6	9.70	8.38	00,00	02,02	0	0	. .	. .	..	....	....
a	+34° 4973	7.9	23 31 27.2	+34 43.3	9.35	3.15	00,00	00,00	− 57	− 852	. .	. .	15	*0101*	7.76
b	+35° 5066	7.0	23 30 17.0	+35 0.3	3.90	9.20	00,00	00,00	− 945	+ 134	. .	. .	58	*11*01	7.91
c	+34° 4971	8.7	23 31 15.3	+34 43.6	8.50	3.08	00,00	02,*03*	− 196	− 864	. .	. .	18	00*1*0	8.49
d	+34° 4966	8.0	23 29 52.9	+34 58.7	2.12	8.75	*02*,03	00,00	−1236	+ 60	. .	. .	22	0100	8.67
e	+34° 4968	8.7	23 30 45.6	+34 46.0	6.25	4.10	00,00	00,00	− 562	− 698	. .	. .	25	0002	8.89
f	+34° 4976	9.1	23 31 56.8	+34 46.7	11.50	3.90	00,00	00,00	+ 293	− 730	. .	. .	25	0011	9.14
g	+34° 4970	9.0	23 31 2.9	+34 47.4	7.40	4.15	00,00	00,00	− 375	− 689	. .	. .	18	1*101*	9.39
h	.. ..	..	.. .. ..	.. .. ..	17.65	5.25	00,00	00,00	+1296	− 510	. .	. .	50	01*1*0	9.57
k	+34° 4985	9.5	23 33 22.3	+34 46.7	18.10	5.50	00,00	00,00	+1369	− 469	. .	. .	18	00*1*0	10.07
l	.. ..	..	.. .. ..	.. .. ..	11.18	6.10	02,*03*	00,00	+ 241	− 372	. .	. .	15	0*11*0	10.25
m	+34° 4969	9.5	23 30 45.8	+34 53.3	6.25	6.80	00,00	00,00	− 562	− 258	. .	. .	60	*1302*	10.40
n	.. ..	..	.. .. ..	.. .. ..	9.62	6.75	03,*02*	00,00	− 13	− 266	. .	. .	30	0000	11.00
o	.. ..	..	.. .. ..	.. .. ..	8.35	7.60	00,00	00,00	− 220	− 127	. .	. .	62	*110*3	11.30
p	.. ..	..	.. .. ..	.. .. ..	9.22	8.55	03,*02*	00,00	− 78	+ 28	. .	. .	35	0*11*0	11.92
q	.. ..	..	.. .. ..	.. .. ..	8.60	8.38	00,00	*03*,02	− 179	0	. .	. .	27	0.*1*0	12.27
r	.. ..	..	.. .. ..	.. .. ..	8.70	8.25	00,00	00,00	− 163	− 21	. .	. .	17	0.*1*0	12.54
s	.. ..	..	.. .. ..	.. .. ..	9.08	7.20	*03*,02	00,00	− 101	− 192	. .	. .	..	....	12.71

215. Z AQUARII. R. A. 23ʰ 47ᵐ.1, Dec. −16° 25′.

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
			h. m. s.	° ′					″	″	s.	″			
V	−16° 6379	9.1	23 44 45.4	−16 39.7	3.72	18.25	03,*02*	00,00	0	0	. .	. .	..	....	....
a	−17° 6836	7.3	23 45 12.6	−17 10.5	5.78	7.72	*03*,02	*02*,03	+ 369	−1885	. .	. .	25	0101	7.85
b	−17° 6837	8.7	23 45 21.1	−17 31.4	6.38	0.88	*03*,02	*03*,02	+ 476	−3109	. .	. .	68	1*2*1*1*	8.10
c	−16° 6383	8.9	23 46 16.5	−16 40.4	11.00	17.92	00,00	*02*,03	+1303	− 59	. .	. .	65	1010	8.78
d	−16° 6381	9.3	23 45 48.0	−16 48.2	8.75	15.25	00,00	00,00	+ 900	− 537	. .	. .	42	11*1*0	9.43

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
215. Z Aquarii. R. A. 23ʰ 47ᵐ.1, Dec. −16° 25′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
e	−16° 6380	9.8	23 44 48.7	−16 40.9	4.00	17.85	00,00	00,00	+ 50	− 72	. .	. .	58	00*1*0	9.85
f	.. ..	..	.. .. ..	.. .. ..	2.72	10.10	03,*02*	00,00	− 179	−1459	. .	. .	32	0100	10.43
g	.. ..	..	.. .. ..	.. .. ..	7.22	17.45	*02*,03	00,00	+ 626	− 143	. .	. .	47	*1*0.0	10.75
h	.. ..	..	.. .. ..	.. .. ..	2.20	18.30	00,00	00,00	− 272	+ 9	. .	. .	..	....	11.22
216. ρ Cassiopeiae. R. A. 23ʰ 49ᵐ.4, Dec. +56° 56′.															
			h. m. s.	° ′					″	″	s.	″			
V	+56° 3111	5.0	23 47 10.6	+56 41.2	21.50	13.19	00,00	01,01	0	0	. .	. .	..	....	....
a	+59° 2777	6.5	23 41 49.3	+59 10.5	8.10	68.30	00,00	00,00	−2184	+8983	. .	. .	10	0*1*01	6.62
b	+57° 2804	5.3	23 39 59.1	+57 50.0	1.25	39.32	00,00	03,*02*	−3301	+4259	. .	. .	28	*1*0*2*2	6.72
c	+58° 2653	6.8	23 42 7.8	+58 9.9	7.78	45.90	02,*03*	00,00	−2236	+5332	. .	. .	58	*2*02*1*	7.00
d	+56° 3119	7.7	23 50 29.1	+56 19.4	31.38	5.10	02,*03*	00,00	+1610	−1319	. .	. .	60	10*2*1	7.58
e	+56° 3110	8.7	23 46 55.0	+56 23.7	20.55	6.60	00,00	00,00	− 155	−1074	. .	. .	75	*1133*	8.18
f	+57° 2831	8.7	23 50 13.5	+57 3.5	31.00	21.18	00,00	02,*03*	+1548	+1302	. .	. .	02	1*1*01	8.93
g	+56° 3118	9.0	23 47 50.7	+56 17.9	23.32	4.00	03,*02*	00,00	+ 297	−1498	. .	. .	38	*11*01	8.95
h	+56° 3105	9.1	23 46 23.2	+56 10.4	18.80	1.65	00,00	00,00	− 440	−1881	. .	. .	50	*11*11	9.33
k	+56° 3102	9.4	23 44 37.0	+56 55.3	14.10	18.40	00,00	00,00	−1206	+ 849	. .	. .	55	0*11*0	9.83
l	.. ..	..	.. .. ..	.. .. ..	22.75	15.10	00,00	00,00	+ 204	+ 311	. .	. .	70	*2*03*1*	10.38
m	.. ..	..	.. .. ..	.. .. ..	21.80	12.60	00,00	00,00	+ 49	− 96	. .	. .	..	....	11.08
217. RS Andromedae. R. A. 23ʰ 50ᵐ.3, Dec. +48° 5′.															
			h. m. s.	° ′					″	″	s.	″			
V	+47° 4318	8.4	23 48 4.3	+47 49.5	10.90	20.78	00,00	02,*03*	0	0	. .	. .	..	....	....
a	+47° 4308	7.5	23 45 34.8	+47 40.7	1.68	17.40	*03*,02	00,00	−1503	− 551	. .	. .	35	*2*10*1*	7.29
b	+47° 4312	7.5	23 47 8.9	+47 49.6	7.58	20.62	02,*03*	03,*02*	− 541	− 26	. .	. .	08	*1*01*1*	7.64
c	+47° 4322	6.5	23 48 29.3	+47 25.2	12.42	11.60	03,*02*	00,00	+ 248	−1496	. .	. .	22	0010	7.72
d	+48° 4190	7.7	23 47 6.2	+48 7.0	7.38	27.25	*03*,02	00,00	− 574	+1055	. .	. .	70	*2*020	7.94
e	+48° 4193	8.0	23 48 12.9	+48 7.7	11.55	27.35	00,00	00,00	+ 106	+1071	. .	. .	45	0011	8.64
f	+47° 4320	9.3	23 48 9.0	+47 46.8	11.30	19.55	00,00	00,00	+ 65	− 200	. .	. .	22	*1*110	9.09
g	+47° 4324	9.0	23 49 4.4	+47 54.0	14.70	22.38	00,00	*03*,02	+ 619	+ 261	. .	. .	25	0011	9.31
h	+47° 4321	9.4	23 48 17.1	+47 53.0	11.80	22.10	00,00	00,00	+ 147	+ 215	. .	. .	45	0011	9.56
k	+47° 4316	9.5	23 47 30.6	+47 46.4	8.80	19.65	00,00	00,00	− 342	− 184	. .	. .	45	1001	10.01
l	.. ..	..	.. .. ..	.. .. ..	14.20	18.75	00,00	00,00	+ 538	− 331	. .	. .	45	111*1*	10.46
m	.. ..	..	.. .. ..	.. .. ..	13.55	20.35	00,00	00,00	+ 432	− 70	. .	. .	12	10*1*1	10.91
n	.. ..	..	.. .. ..	.. .. ..	11.65	20.78	00,00	02,*03*	+ 122	0	. .	. .	38	*1*0*1*1	11.03
o	.. ..	..	.. .. ..	.. .. ..	12.50	20.55	00,00	00,00	+ 261	− 37	. .	. .	28	*2*02*1*	11.41
p	.. ..	..	.. .. ..	.. .. ..	11.30	19.85	00,00	00,00	+ 65	− 152	. .	. .	..	....	11.69
218. R Tucanae. R.A. 23ʰ 52ᵐ.2, Dec. −65° 57′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	−66° 3816	10.4	23 50 52.7	−66 4.9	9.82	7.19	03,*02*	01,01	0	0	. .	. .	..	....	....
a	32336	9.2	23 52 49.0	−66 13 6	13.75	4.38	00,00	02,*03*	+ 703	− 503	. .	. .	10	010*1*	9.25
b	23ʰ 1263	9.5	23 46 19.6	−65 49 30	0.35	12.10	00,00	00,00	−1695	+ 879	. .	. .	32	1*1*01	9.35
c	−66° 3814	9.6	23 48 43.2	−66 2.6	5.40	7.75	00,00	00,00	− 791	+ 100	. .	. .	25	1100	9.67

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
218. R TUCANAE. R. A. 23h 52m.2, Dec. −65° 57′ (continued).															
			h. m. s.	° ′ ″					″	″	s.	″			
d	.. ..	..	.. .. ..	.. .. ..	13.88	16.40	*03*,02	00,00	+ 727	+1649	..	..	30	0*1*01	9.92
e	.. ..	..	.. .. ..	.. .. ..	8.45	7.50	00,00	00,00	−1140	+ 55	..	..	42	201*2*	10.22
f	.. ..	..	.. .. ..	.. .. ..	15.22	8.30	03,*02*	00,00	+ 967	+ 199	..	..	30	*1*001	10.64
g	.. ..	..	.. .. ..	.. .. ..	10.30	7.85	00,00	00,00	+ 86	+ 118	..	..	28	*1*011	10.94
h	.. ..	..	.. .. ..	.. .. ..	10.25	7.75	00,00	00,00	+ 77	+ 100	..	..	20	100*1*	11.22
k	.. ..	..	.. .. ..	.. .. ..	7.18	7.35	*03*,02	00,00	− 473	+ 29	..	..	10	*1*1*1*1	11.42
l	.. ..	..	.. .. ..	.. .. ..	10.48	5.90	*03*,02	00,00	+ 118	− 231	..	..	25	0110	11.52
m	.. ..	..	.. .. ..	.. .. ..	7.75	11.20	00,00	00,00	− 371	+ 718	..	..	32	1000	11.77
n	.. ..	..	.. .. ..	.. .. ..	8.78	7.60	02,*03*	00,00	− 186	+ 73	..	..	12	110*1*	12.09
o	.. ..	..	.. .. ..	.. .. ..	8.32	8.15	*02*,03	00,00	− 268	+ 172	..	..	48	*1*101	12.21
p	.. ..	..	.. .. ..	.. .. ..	9.85	9.28	00,00	*03*,02	+ 5	+ 374	..	..	28	00*1*0	12.69
q	.. ..	..	.. .. ..	.. .. ..	8.28	8.65	02,*03*	00,00	− 276	+ 261	..	..	22	0010	12.97
r	.. ..	..	.. .. ..	.. .. ..	8.95	7.30	00,00	00,00	− 156	+ 20	..	..	17	.*1*00	13.19
s	.. ..	..	.. .. ..	.. .. ..	10.15	8.25	00,00	00,00	+ 59	+ 190	..	..	03	.001	*13.36*
t	.. ..	..	.. .. ..	.. .. ..	10.05	7.72	00,00	03,*02*	+ 41	+ 95	..	..	..	....	*13.39*
219. S PHOENICIS. R. A. 23h 53m.9, Dec. −57° 8′.															
			h. m. s.	° ′ ″					″	″	s.	″			
V	32334	7.1	23 52 35.8	−57 16 15	16.45	15.57	00,00	*02,02*	0	0	..	..	..	....	....
a	32327	7.0	23 52 1.0	−57 58 35	14.78	1.40	02,*03*	00,00	− 299	−2536	..	..	28	*1*000	7.25
b	32321	7.5	23 51 40.8	−57 53 35	13.90	3.15	00,00	00,00	− 456	−2223	..	..	25	02*1*1	7.53
c	32298	7.0	23 50 11.0	−57 50 38	9.90	4.15	00,00	00,00	−1172	−2044	..	..	32	1000	7.78
d	32422	7.6	23 58 21.5	−57 32 17	31.90	9.85	00,00	00,00	+2766	−1024	..	..	52	011*1*	8.10
e	23h 1527	9.0	23 55 40.2	−57 12 34	24.80	16.62	00,00	03,*02*	+1495	+ 188	..	..	15	*1*0*1*0	8.62
f	23h 1539	9.5	23 56 17.9	−57 28 38	26.38	11.80	02,*03*	00,00	+1777	− 764	..	..	10	100*1*	8.77
g	32331	8.8	23 52 19.6	−57 41 42	15.70	7.10	00,00	00,00	− 134	−1516	..	..	45	*1*201	8.87
h	−57°10375	9.0	23 46 43.1	−57 48.2	0.68	4.85	02,*03*	00,00	−2823	−1919	..	..	20	*1*010	9.32
k	−57°10407	9.0	23 56 4.0	−57 35.7	25.72	8.90	03,*02*	00,00	+1659	−1194	..	..	32	110*1*	9.52
l	−57°10394	10.0	23 52 45.6	−57 15.2	16.90	15.82	00,00	*02*,03	+ 81	+ 45	..	..	30	*1*100	9.84
m	−57°10401	10.2	23 54 18.5	−57 19.7	21.15	14.88	00,00	*03*,02	+ 841	− 213	..	..	22	0001	10.14
n	−57°10399	10.2	23 53 52.1	−57 17.7	19.90	15.12	00,00	*02*,03	+ 618	− 81	..	..	28	*11*10	10.36
o	−57°10392	11.0	23 52 25.6	−57 21.5	16.10	13.75	00,00	00,00	− 63	− 326	..	..	48	1*101*	10.64
p	.. ..	..	.. .. ..	.. .. ..	17.85	14.80	00,00	00,00	+ 251	− 138	..	..	60	2*101*	11.12
q	.. ..	..	.. .. ..	.. .. ..	17.15	14.00	00,00	00,00	+ 125	− 281	..	..	28	000*1*	11.72
r	.. ..	..	.. .. ..	.. .. ..	17.85	16.05	00,00	00,00	+ 251	+ 86	..	..	28	0*1*00	12.00
s	.. ..	..	.. .. ..	.. .. ..	18.50	15.42	00,00	03,*02*	+ 367	− 27	..	..	..	....	*12.28*
220. Z PEGASI. R. A. 23h 55m.0, Dec. +25° 21.′															
			h. m. s.	° ′					″	″	s.	″			
V	+25° 5054	9.3	23 52 41.0	+25 5.6	24.25	15.20	00,00	00,00	0	0	..	..	..	....	....
a	+25° 5042	6.3	23 48 1.0	+25 9.0	0.85	16.90	00,00	00,00	−3814	+ 277	..	..	72	101*1*	7.58
b	+24° 4878	8.3	23 55 4.0	+24 20.0	36.10	*1.25*	00,00	00,00	+1932	−2681	..	..	18	00*1*0	8.30
c	+24° 4872	9.0	23 52 30.0	+24 25.5	23.02	0.28	03,*02*	*03*,02	− 200	−2432	..	..	38	1*101*	8.48
d	+24° 4869	8.9	23 51 34.6	+24 47.3	18.68	8.40	*03*,02	00,00	− 908	−1108	..	..	08	*1*01*1*	8.86
e	+24° 4868	8.5	23 51 28.5	+24 40.0	18.10	6.10	00,00	00,00	−1002	−1483	..	..	35	0*11*0	8.94

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
220. Z PEGASI. R. A. 23^h 55^m.0, Dec. +25° 21′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
f	+24° 4871	9.0	23 52 28.1	+24 51.7	23.10	10.30	00,00	00,00	− 187	− 799	..	..	62	*1*020	9.29
g	+24° 4876	9.5	23 54 16.8	+24 57.8	32.25	12.40	00,00	00,00	+1304	− 456	..	..	08	1*11*0	9.91
h	.. ..	..	.. .. ..	.. .. ..	25.65	13.08	00,00	*03*,02	+ 228	− 346	..	..	25	*1*021	9.99
k	.. ..	..	.. .. ..	.. .. ..	23.80	16.90	00,00	00,00	− 73	+ 277	..	..	02	1000	10.24
l	+25° 5052	9.3	23 51 39.9	+25 10.6	19.20	17.48	00,00	02,*03*	− 823	+ 372	..	..	48	*2*001	10.26
m	.. ..	..	.. .. ..	.. .. ..	20.90	11.20	00,00	00,00	− 546	− 652	..	..	20	0*1*10	10.74
n	.. ..	..	.. .. ..	.. .. ..	23.50	16.30	00,00	00,00	− 122	+ 179	..	..	18	00*1*0	10.94
o	.. ..	..	.. .. ..	.. .. ..	27.50	17.60	00,00	00,00	+ 530	+ 391	..	..	30	0*1*01	11.12
p	.. ..	..	.. .. ..	.. .. ..	28.45	14.65	00,00	00,00	+ 685	− 90	..	..	18	00*2*1	11.42
q	.. ..	..	.. .. ..	.. .. ..	22.80	11.35	00,00	00,00	− 236	− 628	..	..	25	1100	11.60
r	.. ..	..	.. .. ..	.. .. ..	26.90	13.30	00,00	00,00	+ 432	− 310	..	..	12	101*1*	11.85
s	.. ..	..	.. .. ..	.. .. ..	20.15	16.22	00,00	*02*,03	− 668	+ 166	..	..	25	0101	11.97
t	.. ..	..	.. .. ..	.. .. ..	23.60	15.05	00,00	00,00	− 106	− 24	..	..	15	..*1*0	12.22
u	.. ..	..	.. .. ..	.. .. ..	24.20	14.60	00,00	00,00	− 8	− 98	..	..	..	....	12.37
221. Y CASSIOPEIAE. R. A. 23^h 58^m.2, Dec. +55° 7′.															
			h. m. s.	° ′					″	″	s.	″			
V	R	..	23 55 53.4	+54 52.3	4.45	8.28	00,00	02,*03*	0	0	..	..	..	....	....
a	+54° 3101	8.3	23 55 12.6	+54 46.9	2.20	5.80	00,00	00,00	− 367	− 404	..	..	48	00*1*0	8.96
b	+54° 3098	9.1	23 54 55.2	+54 36.7	1.40	2.38	00,00	02,*03*	− 497	− 962	..	..	32	101*1*	9.44
c	+54° 3105	9.5	23 56 41.8	+54 54.0	7.10	9.30	00,00	00,00	+ 432	+ 166	..	..	38	000*1*	9.76
d	.. ..	..	.. .. ..	.. .. ..	5.25	11.35	00,00	00,00	+ 130	+ 500	..	..	35	0*11*0	10.14
e	.. ..	..	.. .. ..	.. .. ..	5.98	5.22	*03*,02	03,*02*	+ 249	− 499	..	..	35	*1*00*1*	10.49
f	+54° 3099	9.5	23 55 3.2	+54 48.8	1.75	7.20	00,00	00,00	− 440	− 176	..	..	35	0*11*0	10.84
g	.. ..	..	.. .. ..	.. .. ..	4.50	8.60	00,00	00,00	+ 8	+ 52	..	..	28	0*1*00	11.19
h	.. ..	..	.. .. ..	.. .. ..	7.42	7.55	*02*,03	00,00	+ 484	− 119	..	..	30	0000	11.47
k	.. ..	..	.. .. ..	.. .. ..	5.20	8.98	00,00	*03*,02	+ 122	+ 114	..	..	32	0001	11.77
l	.. ..	..	.. .. ..	.. .. ..	4.58	9.15	*03*,02	00,00	+ 21	+ 142	..	..	35	00*11*	12.09
m	.. ..	..	.. .. ..	.. .. ..	4.60	8.35	00,00	00,00	+ 24	+ 11	..	..	30	0000	12.44
n	.. ..	..	.. .. ..	.. .. ..	4.00	8.65	00,00	00,00	− 73	+ 60	..	..	40	00.0	12.74
o	.. ..	..	.. .. ..	.. .. ..	4.58	9.55	*03*,02	00,00	+ 21	+ 207	..	..	..	....	13.14
222. − ANDROMEDAE. R. A. 23^h 59^m.5, Dec. +43° 0′.															
			h. m. s.	° ′					″	″	s.	″			
V	+42° 4827	8.4	23 57 9.1	+42 45.2	10.25	4.84	00,00	01,01	0	0	..	..	..	....	....
a	+42° 4831	8.5	23 58 10.4	+42 35.4	14.32	1.62	*02*,03	*02*,03	+ 663	− 525	..	..	58	0*111*	7.66
b	+43° 4624	8.1	23 57 25.4	+43 9.6	11.10	14.20	00,00	00,00	+ 139	+1526	..	..	42	0*1*11	8.24
c	+42° 4818	8.3	23 55 26.6	+42 43.1	3.30	4.30	00,00	00,00	−1133	− 88	..	..	10	*1*010	8.66
d	+42° 4819	7.5	23 55 45.3	+42 49.8	4.45	6.75	00,00	00,00	− 945	+ 311	..	..	02	0*1*20	8.76
e	+42° 4834	9.0	23 59 6.3	+42 57.7	17.88	10.22	*03*,02	*02*,03	+1244	+ 877	..	..	52	00*1*2	8.78
f	+42° 4823	8.6	23 56 56.1	+42 47.9	9.25	6.20	00,00	00,00	− 163	+ 222	..	..	18	00*1*0	9.30
g	R	..	.. .. ..	.. .. ..	9.60	5.15	00,00	00,00	− 106	+ 51	..	..	35	*111*1	9.48
h	+42° 4824	9.4	23 57 0.5	+42 48.1	9.65	6.20	00,00	00,00	− 98	+ 222	..	..	32	01*1*1	9.83
k	R	..	.. .. ..	.. .. ..	9.70	4.90	00,00	00,00	− 90	+ 10	..	..	22	0001	10.15
l	.. ..	..	.. .. ..	.. .. ..	11.25	3.78	00,00	*03*,02	+ 163	− 173	..	..	32	2*1*00	10.37

Des.	Cat. No.	Magn.	R. A.	Dec.	x	y	Δx	Δy	x	y	Δα	Δδ	Mean.	Resid.	Magn.
222. – ANDROMEDAE. R. A. 23ʰ 59ᵐ.5, Dec. +43° 0′ (continued).															
			h. m. s.	° ′					″	″	s.	″			
m	.. ..	..	.. .. ..	.. .. ..	6.25	5.15	00,00	00,00	– 652	+ 51	..	..	35	*112*0	10.69
n	.. ..	..	.. .. ..	.. .. ..	4.90	2.82	00,00	*02*,03	– 872	– 329	..	..	58	*111*0	11.04
o	.. ..	..	.. .. ..	.. .. ..	9.82	5.28	*02*,03	02,*03*	– 70	+ 72	..	..	20	0000	11.62
p	.. ..	..	.. .. ..	.. .. ..	10.35	4.85	00,00	00,00	+ 16	+ 2	..	..	30	00*1*1	11.82
q	.. ..	..	.. .. ..	.. .. ..	10.85	4.20	00,00	00,00	+ 98	– 104	..	..	20	0*1*10	12.12
r	.. ..	..	.. .. ..	.. .. ..	9.15	5.55	00,00	00,00	– 179	+ 116	..	..	27	1.*2*0	12.32
s	.. ..	..	.. .. ..	.. .. ..	10.20	4.40	00,00	00,00	– 8	– 72	..	..	..	....	12.59

REMARKS.

1. The position of star g appears to differ from that of C.DM. – 39° 17. Its position for 1875 was accordingly derived from the measurements, and found to be R. A. 0ʰ 2ᵐ 25ˢ.5, Dec. – 39° 58′.6. This agrees closely with the position of C.P.D. – 39° 4, which is R.A. 0ʰ 2ᵐ 26ˢ.3, Dec. – 39° 58′.7, and indicates a small error in the C.DM.

5. This star is No. 519 in the Catalogue of Gilliss where the position precedes 1ˢ.1, south 2″, that given in Table I. The photographic magnitudes depend on star a which is Z.C. 0ʰ 1316, magn. 7, and star b which is Z.C. 0ʰ 1276, magn. 7.5.

7. The star c was added to the sequence later, and its coördinates were not measured.

8. The photographic magnitudes depend on star a which is Z.C. 2ʰ 425, magn. 9.0, and star c which is Z.C. 2ʰ 333, magn. 9.5.

9. Star d is also A. G. C. 2567, magn. 9. Star a is Z.C. 2ʰ 726, magn. 8.0. The mean of the A.G.C. magnitudes of this star has been used in deriving the photographic magnitudes.

12. The Cordoba Durchmusterung was used for these comparison stars.

13. Star a is also A. G. C. 3081, magn. 7.5, and c is A. G. C. 2934, magn. 8.8. The means of the A. G. C. and Z. C. magnitudes of these stars have been used in deriving the photographic magnitudes. On Plate B 10652, star s, and on Plates B 13834, B 14505, and B 14993, stars r and s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

14. Star a is A. G. C. 2898, magn. 5.6, b is A. G. C. 2903, magn. 7.5, c is A.G.C. 3086, magn. 7.1, and e is A.G.C. 3088, magn. 7.2. Stars n, o, and p were added to the sequence later. On Plates B 10652, B 15278, B 16336, and B 18035, their images were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

17. Star a is A. G. C. 4092, magn. 7.2. On Plates B 14574, B 22198, B 24017, and B 24508, stars o and p were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

18. On Plate I 16340, stars m, n, and o were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

19. When the magnitudes of the comparison stars were determined only two plates were available for measurement. Therefore, each plate was measured twice. The adopted magnitudes are derived from the magnitudes given in the C. DM.

21. Star a is also Z. C. 4ʰ 170, magn. 7.5. The mean of the A. G. C. and Z. C. magnitudes has been used in determining the photographic magnitudes.

22. Star a is also A. G. C. 5315, magn. 6.8, and b is A. G. C. 5218, magn. 7.3.

23. Star a is also Z. C. 4ʰ 1535, magn. 7.0. The mean, 7.1, of the A. G. C. and Z. C. magnitudes has been used in determining the photographic magnitudes.

24. Star k is probably C. DM. –22° 1989, R. A. 4ʰ 59ᵐ 37ˢ.7, Dec. –22° 2′.0 (1875), magn. 10, assuming an error of about 5ˢ in right ascension in that catalogue. No evidence of proper motion appears on superposing plates taken on November 4, 1889, and January 22, 1897. On both, the star has nearly the same right ascension as C. DM. –22° 1991, R. A. 4ʰ 59ᵐ 42ˢ.3, Dec. –22° 10′.0 (1875), magn. 10

25. Star a is also A. G. C. 6012, magn. 7.8. It was added to the sequence later, and its coördinates were derived from its catalogue position.

26. On Plates B 10677, B 12687, and B 23999, star r, and on Plate B 17541, stars q and r were too faint for comparison with the scale. The intervals in brightness were therefore estimated. C.P.D. positions and magnitudes were used.

27. The adopted magnitudes are derived from the magnitudes given in the C. DM. The declination of star n

appears to differ from that of C DM. −33° 2247. Its position for 1875 was accordingly derived from the measurements, and found to be R. A. $5^h\,14^m\,24^s.4$, Dec. −33° 52′.5 (1875). The star is not in the C. P. D. The position in the C. DM. accordingly seems to be about 1′.6 too far south. No evidence of proper motion appears, on superposing plates taken on October 5, 1895, and November 26, 1900. Star n has not been used in deriving the magnitudes.

28. Star b is marked neb. in the C. P. D. N. G. C. 1916 probably designates the entire cluster, including this object. Star b has been used as a comparison star, as the nebulosity does not interfere with the measurements on a large portion of the plates.

29. The adopted magnitudes are derived from the magnitudes given in the C. DM.

30. The stars q, r, and s were added to the sequence later. On Plates B 9123, B 14418, B 18248, and B 20632, they were too faint for comparison with the scale. The intervals in brightness of p, q, r, and s were therefore estimated.

33. On Plate I 5736, star r, and on Plates I 127, I 5861, and B 10942, stars q and r were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

34. Star a is also A. G. C. 8822, magn. 8.0, and b is A. G. C. 9023, magn. 8.2. The means of the A. G. C. and Z. C. magnitudes of these stars have been used in deriving photographic magnitudes.

36. The position of star h appears to differ from that of +46° 1267. Its position for 1855 was accordingly derived from the measurements, and found to be R. A. $7^h\,16^m\,19^s.7$, Dec. +46° 25′.6, which precedes the Durchmusterung position $4^s.9$, and is south 2′.6. No evidence of proper motion appears, on superposing plates taken on April 5, 1890, and February 15, 1902.

38. Star k is C P. D. −41° 1660, magn. 10.2. The stars n and o were added to the sequence later, and the magnitudes were derived from estimates on Plates B 12338, B 19039, B 21353, and B 23306.

39. The position of star d appears to differ from that of +5° 1795. Its position for 1855 was accordingly derived from the measurements, and found to follow the Durchmusterung position by $3^s.9$, south 1′.5.

41. Star h is C. DM. −22° 5694, magn. 9.8, R. A. $8^h\,2^m\,11^s.2$, Dec. −22° 24′.3 (1875). Star k is C. DM. −22° 5699, magn. 10, R. A. $8^h\,2^m\,24^s.9$, Dec. −22° 33′.4 (1875). Star l is C. DM. −22° 5700, magn. 10, R. A. $8^h\,2^m\,27^s.7$, Dec. −22° 28′.6 (1875). Star m is C. DM. −22° 5692, magn. 9.7, R. A. $8^h\,2^m\,1^s.4$, Dec. −22° 35′.2 (1875).

42. On Plate B 27011, stars o and p were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

43. On Plates B 18049 and B 25051, stars o, p, q, r, s, and t; on Plate B 24321, stars n, o, p, q, r, s, and t; on Plate B 26984, stars r, s, and t were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The photographic magnitudes depend on star a which is Z. C. 8^h 1647, magn. 8.3, and star d which is Z C 8^h 1587, magn 9.4.

45. On Plate I 14875, star n, and on Plate I 28485, stars m and n were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

47. Measures with the scale were made on a fifth plate, I 8246, and gave the residuals, 0, 0, 1, *1*, 0. 2, 1, 1, for stars a to h, respectively.

49. On Plate B 21264, stars n and o, and on Plate B 22637, stars l, m, n, and o were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

50. On all the plates measured, stars r, s, and t were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

51. An additional set of measures was made, on Plate I 12737, for determining the magnitudes of the sequence, and gave the residuals 1, 0, 0, *1*, 0. 0, *1*, and 1, for stars a to h, respectively.

52. The Cordoba Durchmusterung was used for these comparison stars. The star a was added to the sequence later, and the coördinates were not measured.

53. On Plates B 24946 and B 26682, star o was too faint for comparison with the scale. The intervals in brightness were therefore estimated.

56. The stars p, q, and r were added to the sequence later, and the magnitudes were derived from estimates on Plates B 15536, B 15930, B 19066, and B 21426.

57. The comparison star n is C. P. D. −39° 4517, magn. 10.2.

58. On Plate B 12908, stars n, o, and p, and on Plate B 24968, star p were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The images of stars q, r, and s did not appear on any of these plates, and the magnitudes depend on estimates made on Plates I 25151 and A 3028.

59. On Plate B 10644, stars m, n, o, and p, on B 16301 stars o and p, and on B 21557 stars n, o, and p were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

60. The stars V, a, b, and e are identical with Nos. 119, 131, 133, and 92, respectively, in the catalogue of stars near η Carinae, given in the Argentine General Catalogue, p. 625.

62. On Plates B 9294 and B 11141, stars s and t, and on Plate B 10924, stars r, s, and t were too faint for comparison with the scale. The intervals in brightness were therefore estimated. Star h is suspected of variability, and was not used in estimates of the variable, nor in deriving the magnitudes of the comparison stars.

63. Stars 1, 2, and 3 were used in deriving position of variable. Magnitudes of comparison stars derived from Z.C. magnitudes of stars a, b, and e. On Plates B 10882 and B 11141, star n was too faint for comparison with the scale. The intervals in brightness were therefore estimated.

64. Additional measures for determining the magnitudes of the comparison stars were made on Plate B 13567, and gave the residuals, *1*, 0, 1, 0, 1, 0, 0, *1*, and 2, for stars

a to k, respectively. The magnitudes of the stars g and h were not used in deriving the magnitudes of the comparison stars.

65. Additional measures for determining the magnitudes of the comparison stars were made on Plate B 9350 and gave the residuals, 0, 1, *1*, *1*, 0, *1*, 0, *2*, 0, 0, 0, 0, and 0, for stars a to o, respectively. Probably C. P. D. – 58° 3910 represents the combined light of k and l. The measured position of k follows $2^s.2$, south $0'.8$, l precedes $0^s.6$, south $0'.8$.

68. On Plate B 21845, star m was too faint for comparison with the scale. The interval in brightness was therefore estimated.

70. On Plates B 13480 and B 22991, the scale measures of star f make it slightly brighter than e. This is probably due to photographic effect and position of images on the plates, and not to variation in either of these stars.

71. On Plate B 18935, stars m, n, and o, on Plate B 27227, stars n and o, and on Plate B 29714, stars l, m, n, and o were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

77. On Plate B 9362, the scale measure of c makes it slightly brighter than b. An independent examination of the plate showed that this is probably due to the image of c being near the edge of the plate, and not to a real change in brightness of the star.

78. On Plate B 10925, star n was too faint for comparison with the scale. The interval in brightness was therefore estimated.

80. Value of x originally recorded 18.70.

81. The image of star m is fainter than n on Plate I 10824. The difference is probably due to the photographic image, and not to real variation in either m or n.

83. Star l is C. P. D. –46° 6771, magn. 10.2.

84. Additional measures were made on Plates I 6413, I 6481, I 6456, I 6482, I 6505, and I 6625, and gave the residuals, 1, 0, 1, 1, 1, 2, 0, 0, *1*, 0, 1; 1, 1, 1, 2, 0, 0, 0, 1, 0, *1*, .; 1, 1, 0, 1, *1*, 0, 0, 0, 0, 0, 1; *1*, 0, 0, 0, *1*, *2*, *1*, 0, 0, ., ., .; 0, *2*, 0, 1, 0, *1*, 0, *1*, 1, *2*, 1; and 0, *1*, *1*, 0, *1*, *1*, *1*, 0, 0, *1*, and *1*, for stars a to n, respectively. Stars o, p, q, and r were added to the sequence later and the magnitudes were derived from estimates on Plates I 6625, B 23864, B 23869, and I 27118.

85. On Plate B 18682, stars m and n were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

87. Additional measures were made on Plates B 6403, B 6876, B 6971, and B 11272, and gave the residuals, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0; 0, 1, 0, *1*, 1, 0, 1, 0, 0, ., ., .; 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0; 1, 0, 1, *1*, 1, 0, 0, 0, *1*, 0, and 0, for stars a to m, respectively. Stars o, p, q, r, s, and t were added to the sequence later, and the magnitudes were derived from two sets of estimates on Plates A 2645 and A 2657.

88. This star is near S Lupi, south following 13″. The same comparison stars have been used for both. The two portions of the table are therefore nearly the same, except that for No. 88 the values of x are 4″ less, and of y 12″ greater, than the corresponding values for No. 87.

90. On Plate B 11157, star o was too faint for comparison with the scale. The interval in brightness was therefore estimated.

92. Star k is C. P. D. –50° 7756, magn. 10.6. On Plate B 3485, stars n, o, p, q, r, and s, on Plate B 13350, star s, and on Plate B 15406, stars r and s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

93. Stars f and g are C. DM. – 22° 10970, magn. 10, and C. DM. –22° 10979, magn. 10, respectively.

94. Star c is also Z. C. 15^h 1237, magn. 7.5. This magnitude is probably too bright, and was not used in deriving the magnitudes for the sequence. On Plates B 23047 and B 28402, star s was too faint for comparison with the scale. The intervals in brightness were therefore estimated.

95. The positions of the stars are taken from Vol. XXVI, p. 253. Stars a and c were not measured, but the coördinates were derived from the catalogue positions. It will be noticed that the adopted magnitudes in the last column have been derived, in Vol. XXVI, by multiplying the intervals by 1.20. The star m is C. P. D. –50° 8082, magn. 10.0.

96. Additional measures were made on Plate I 12998, and gave the residuals *1*, 0, 0, 0, *1*, 0, 0, 0, 0, 0, for stars a to l, respectively.

97. Owing to the proximity of e, it is doubtful whether +79° 467, magn. 9.4, is star e or the variable. Additional measures were made on Plates I 12904 and I 12915, and gave the residuals, 0, 1, *1*, 1, 0, 0, 0, *1*, and 0, 1, 0, 0, 0, 0, 0, 1, for stars a to h, respectively.

99. The star l is C.P.D. – 48° 8191, magn. 10.1.

100. Plate B 15865. Images poor.

101. Plate B 3742. Images elongated. On Plate B 27075, star r was too faint for comparison with the scale. The interval in brightness was therefore estimated.

102. On Plates B 9160 and B 11848, stars 0 and p were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

103. The star d is double in the Catalogue of Gilliss, Nos. 12056 and 12057.

104. The star o is slightly north of k, while l is slightly south. C.DM. –44° 11276 is in the same declination as k, and it is uncertain whether o or p is the catalogue star, but o has been assumed.

106. The star l has a faint adjacent star l^1, whose position is given in the table although it is not used as a comparison star.

107. On Plate B 30105, star s was too faint for comparison with the scale. The interval in brightness was therefore estimated. Stars t, u, and w were added to the sequence on Plate A 1905, after Table I was in type. For these stars, the measured coördinates are, in x, + 5.52, + 4.40, and + 3.25, and in y, + 5.30, + 4.32, and +5.15, respectively. The corresponding differences in position from the variable are, in x, + 46″, – 21″, and – 90″, and in y, + 60″, + 1″, and + 51″, respectively

Their magnitudes, as determined by estimates on Plates B 17077, B 17234, B 30287, and B 30339, are 13.01, 13.31, and 13.48, respectively.

108. Additional measures were made on Plate B 13582, and gave the residuals, *1*, 1, 0, 2, 2, 1, 0, *1*, 0, 1, *1*, . , . , for stars a to o, respectively. The catalogue magnitudes of the stars f, g, and h were not used in determining the brightness of the stars in the sequence.

109. Additional measures were made on Plate B 10216, and gave the residuals, 2, 1, *2*, *2*, *1*, 0, *1*, *1*, 0, *2*, *1*, for stars a to m, respectively. Star o was added to the sequence on Plate B 10216, after Table I was in type. For this star, the measured coördinates are, in x, + 3.78, and in y, + 4.60. The corresponding differences in position from the variable are, in x, + 140″, and in y, − 224″. The magnitude, as derived from estimates on Plates B 9155, B 10216, B 20353, and B 27967, is 12.86.

110. On Plate B 15825, star p, and on Plate B 27107, stars p, q, and r were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

111. The stars p and q were added to the sequence on Plate B 31991, after Table I was in type. For these stars, the measured coördinates are, in x, − 0.18 and − 0.40, and in y, + 3.00 and + 4.65, respectively. The corresponding differences in position from the variable are, in x, + 158″ and + 197″ and in y, + 277″ and − 18″, respectively. Their magnitudes, as determined by estimates on Plates B 25664, B 30999, B 31950 and B 31991, are 11.64 and 11.94, respectively.

113. Additional measures were made on Plates B 5394 and B 11345, and gave the residuals, 0, *1*, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, and 0, 0, *1*, 0, *1*, 0, *1*, *1*, *2*, 0, . , . , for stars a to n, respectively. Star p was added to the sequence on Plate B 5394 after Table I was in type. For this star, the measured coördinates are in x, + 5.05, and in y, + 6.48. The corresponding differences in position from the variable are, in x, 0″, and in y, + 100″. The magnitude, as determined by estimates on Plates B 5394, B 16228, B 27911, and B 32058, is 13.26.

115. On Plale B 17534, star n was too faint for comparison with the scale. The interval in brightness was therefore estimated. Stars f and h are C.P.D. −35° 7249, magn. 9.5, and − 35° 7276, magn. 9.6, respectively.

117. This star is C.P.D. −35° 7270. It was discovered independently by Miss Wells in 1901, and was inserted in the table, the discovery by Innes in 1899 having been overlooked. On Plates B 19082, B 19113, and B 19444, star p, q, and r, and on Plate B 19217, stars q and r were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

120. The magnitudes taken from the C.P.D. have been used. On Plates B 5963, B 9408, and B 23481, stars p, q, r, and s, and on Plate B 13750, stars r and s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

121. The photographs show a pair of stars in the same declination, of which star n is the preceding. Either or both may be identical with − 49° 11822, magn. 10.

122. Stars k and l are C.P.D. − 39° 7905, magn. 10.0, and C.P.D. − 39° 7920, magn. 10.2, respectively.

126. The star e was added to the sequence after the measures for magnitude, with the scale, were completed. Estimates by Argelander's method on Plates B 9852, B 19327, B 23282, and B 28620, gave it 0.3, 0.3, 0.4, and 0.4, fainter than d, and 0.0, 0.0, 0.1, and 0.1, brighter than f, respectively.

127. The magnitudes taken from the C.P.D. have been used in determining the brightness of the comparison stars. On Plates B 21282 and B 23060, stars o, p, q, r, and s, and on Plates B 14047 and B 21920, stars q, r, and s, were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

128. In the C.DM. the star c is 0′.1 south of star m. In the C.P.D. it is north 0′.3. The measures in the eleventh column show that it is 0′.5 north. In the C.DM. b follows l, 1s.9. In the C.P.D. it precedes l, 0s.5. The measures in the tenth column show that they are in the same right ascension. On Plate B 9882, stars p, q, and r were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

129. The magnitudes taken from the C.P.D. have been used in determining the brightness of the comparison stars. On Plates B 13582 and B 17710, stars o, p, and q, on Plate B 14047, stars p and q, and on Plate B 23060, stars m, n, o, p, and q were too faint for comparison with the scale. The intervals in brightness were therefore estimated. Star e had not been identified when the magnitudes were deduced. Therefore, it was not used in deriving the magnitudes of the comparison stars.

130. On Plate B 14044, star u, on Plate B 25391, stars t and u, and on Plate B 27447, stars s, t, and u were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

132. On Plates I 8816 and I 16092, star o was too faint for comparison with the scale. The interval in brightness was therefore estimated.

133. In the C.DM. the declination of star k is the same as that of star g. On Plate B 11789, stars q, r, s, and t, on Plate B 19086, stars s and t, on Plate B 19449, star t, and on Plate B 27445, stars r, s, and t, were too faint for comparison with the scale T.he intervals in brightness were therefore estimated.

135. On Plate B 8470, star q, and on Plates B 12545 and B 23345, stars p and q were too faint for comparison with the scale. The intervals in brightness were therefore estimated. Plates taken with the 24-inch Bruce telescope show a faint companion, magn. 11, north following d, which rendered the scale measures difficult on Plates B 23345 and B 29575.

136. On Plate B 19512, stars s, t, and u, and on Plates B 22705 and B 23502, stars r, s, t, and u were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The star q has not been used in determining the magnitude of the variable, since the plates taken with the Bruce Telescope show that it is a double star.

137. Nova Sagittarii. See Circulars 42 and 46. Scale measures of the bright stars a, b, c, and d were made on AC 1462, AC 2778, AC 3702, and AC 3825. The magnitudes of the remaining stars, e to γ, depend on two independent measures of Plates B 23759 and A 2845.

138. Nova Aquilae, No. 2. See also Circular 106. The positions of the comparison stars were derived from measures of A 6506 on which the Nova does not appear. A position was assumed for it which appears to agree closely with the true position, as is shown by a comparison of Circular 106 with A. J. Vol. 22, p. 269. The position of star t should be about 8″ further north. The magnitudes of stars o, p, and q were derived from the means of measures and estimates. The magnitudes of the fainter stars were derived from estimates of A 6506.

139. The Bonn Durchmusterung magnitudes of stars b, c, f, g, and l, have been used in deriving the magnitudes of the comparison stars.

140. The same sequence of comparison stars was used for variables 140 and 141. On Plate B 19583, star s, on Plate B 23065, stars p and q, on Plate B 23852, stars p, q, r, and s, and on Plate B 25399, star r, were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The star q is probably double.

141. See 140.

142. The variable stars 143 and 144 are near, and the same comparison stars are used for all. The three stars are designated as V^1, V^2, and V^3 in the order of discovery. The coördinates are therefore referred to V^1. On Plates B 4028, B 18969, and B 22798, stars o, p, and q, and on Plate B 18731, stars o and p were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

145. The comparison star a is double. The combined photographic light was used in determining the magnitudes. The stars n, o, p, q, r, s, and t were added to the sequence later, therefore, the Durchmusterung magnitude of o was not used in determining the magnitudes. The stars n, o, p, q, r, s, and t were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The early history of this interesting object will be found in Harvard Circular 7.

146. This star is involved in a nebula whose centre is in the same right ascension, and 14″ south of it. The position given in Dreyer's Catalogue, for N.G.C. 6768, precedes 56^s, and is south 37′.3. No nebula appears on the photographs in the position of N.G.C. 6768. No evidence of motion was shown from a comparison of B 3843 taken on July 5, 1889, with B 33953, taken on June 3, 1904. Either this star or the nebula is probably C.DM. — 39°13207, magn. 9.5, which precedes the measured position of the variable $1^s.2$, north 0′.0. Neither object is in the C.P.D. The star k is C.P.D. — 39° 8387, magn. 10.8. On Plates B 17264 and B 29581, stars r and s, and on Plate B 23851, stars q, r, and s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

147. Astron. Nach. **135**, 195. Stars o and p were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The measures of star a probably relate to the combined light of A.G.C. 26351, magn. 7.8, and A.G.C. 26353, magn. 10.

148. The comparison star g precedes the variable 18^s, and is north 2″. They were probably combined in the C.DM. The star d is not contained in the C.DM. It is C.P.D. — 31° 5983, magn. 10.3. On Plates B 19694 and B 31810, the star h seems brighter than g, and m brighter than l. This is probably due to the difference in form of the images. On Plate B 12548, stars m, n, and o, on Plate B 22036, stars l, m, n, and o, and on Plates B 19694 and B 31810, star o were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

149. See 150.

150. The same sequence of comparison stars was used for variables 149 and 150. This star was at first selected as comparison star o for variable 149. It was found to be variable by Miss S. E. Breslin while observing 149. Another star was accordingly selected in its place.

151. Nova Aquilae, No. 1. See Circular 56. On Plate I 8899, stars s and t, and on B 23365, star t, were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The magnitudes of the faint stars u, w, x, and y were derived from estimates on Plate A 6012.

152. See Circular 54.

154. The stars m and n were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

155. On Plate B 11603, star r was too faint for comparison with the scale. The interval in brightness was therefore estimated.

156. On Plate B 14402 star e seems slightly brighter than star d, probably owing to some peculiarity in the photographic image.

158. On Plates B 13667 and B 17693, stars r and s, and on Plates B 22075 and B 24381, stars p, q, r, s, and t were two faint for comparison with the scale. The intervals in brightness were therefore estimated.

159. On Plate I 20279, star p was too faint for comparison with the scale. The interval in brightness was therefore estimated. On Plates I 7002 and I 20279 star c is fainter than d.

161. The star n on the photographs is about 2′.0 south of the position given in the C.DM. On Plate B 19090, star r was too faint for comparison with the scale. The interval in brightness was therefore estimated.

162. The brightest star in the original sequence is that now designated as b. The star a was added later. The interval a b is rather large, but there is no star near of intermediate magnitude. The coördinates for position and scale measures for magnitude have not been obtained for star a. The magnitude was derived from estimates

of brightness. Star d has not been used in observing the variable, since it is given as variable in the C.DM.

164. According to Plate B 10940 the declination of star m is about 2′ north of the position given in the C.DM.

165. According to the photographs the declination of this star is about 1′ north of the position given in the DM. It is 1′.1 north according to the Catalogue of the Astron. Gesell. The declination in the fifth column has accordingly been changed from 31′.2 to 32′.3. On Plate I 33465, star t and u were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

167. The comparison star d has a faint star following $0^s.4$, south 36″, magn. 10.5. The Cordoba Z.C., the C.DM., and the C.P.D. agree with the photographs in giving the position contained in the table. A.G.C. 27643 precedes $12^s.3$, south 2′ 1″, and is probably in error. Stars p, q, r, and s were added to the sequence after Table I was in type. For these stars the measured coördinates are, in x, + 19.60, + 19.15, + 19.82, and + 20.90, and in y, + 15.15, + 16.42, + 15.72, and + 14.60, respectively. The corresponding differences in position from the variable are, in x, − 125″, − 206″, − 86″, and + 107″, and in y, + 63″, + 290″, + 165″, and − 36″, respectively. Their magnitudes, as determined by estimates on Plates B 25534, B 25534, B 29484, and B 33959, are 12.69, 13.09, 13.17, and 13.47, respectively.

168. The stars n and o were added to the sequence after the measures for magnitude, with the scale, were completed. The intervals in brightness were therefore estimated. The interval l m was estimated 0.30, the scale measures give it 0.32. The mean value, 0.31, was adopted.

170. On Plate B 16657, star t, and on Plates B 16147 and B 19490, star u, were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

171. On Plate B 23879, stars q, r, s, and t, and on Plates B 20572, B 23823, and B 25450, stars r, s, and t were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

175. On Plate B 26059 star p was too faint for comparison with the scale. The interval in brightness was therefore estimated.

176. On Plates I 13424 and I 22897, stars m, n, o, and p, and on Plate I 13049, stars o, p, and q were too faint for comparison with the scale. The intervals in brightness were therefore estimated. Stars r and s were added to the sequence later, and the intervals in brightness of stars m, n, o, p, q, r, and s were estimated twice on Plate A 5384. The additional residuals for stars n, o, p, and q are 0, 1; *1*, 0; 1, 0; 0, 1, respectively.

177. On the spectrum Plate B 13839, on which the variable was found, the image was near the edge. Its brightness was determined by comparisons with the spectra of − 27° 14766, magn. 8.4, and − 27° 14838, magn. 8.0. The variable was estimated as 4 grades fainter than − 27° 14766, and 2 grades brighter than − 27° 14838.

178. An examination of Plate B 15022 shows that star g certainly precedes the variable, and that the observed difference in right ascension in the tenth column is correct. Plates B 3629, taken June 21, 1889, and B 27524, taken May 29, 1901, were superposed, and failed to show any evidence of proper motion.

179. The same sequence of comparison stars was used for variables 179 and 180. Star p was added later as the object first selected was found to be the prismatic companion of star a. On Plate I 19250, stars r and s, and on Plate I 31166, star t were too faint for comparison with the scale. The intervals in brightness were therefor estimated.

180. See 179.

181. A variable star of the Algol type. Five measures were made of the brightness of the comparison stars. In addition to the values given in the last column but one, the residuals obtained from Plate I 13468 are, 0, 0, 0, *1*, *1*, 2, 0, 0, 0, and 0.

182. On Plates B 13594 and B 14405, stars p and q, and on Plate B 19281 star q were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

183. On Plate B 19572, stars r, s, t, u, and w, on Plates B 19096 and B 19277, stars s, t, u, and w, and on Plate B 16787, stars t, u, and w were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

187. Five measures were made of the brightness of the comparison stars. In addition to the values given in the last column but one, the residuals obtained from the second measure of Plate B 9678 are 1, 0, 0, *2*, 0, 0, 0, 0, *1*, *1*, 0, and 0.

191. The stars h, k, l, and m were added to the sequence later, and the magnitudes were derived from estimates on the plates on which the brighter stars were measured.

192. On Plate B 31778, stars o, p, q, r, and s, on Plates B 10062 and B 16812, stars r and s, and on Plate B 26259, stars u and w were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

193. This star is + 42° 4189a in the revised Bonn Durchmusterung. The stars o, p, and q were added to the sequence later, and the magnitudes were derived from estimates on Plates I 9725, I 16688, I 16763, and I 27783. The magnitudes of stars m and n are derived from scale measures and estimates.

195. On Plate I 7097, star r, and on Plate I 21560, star s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

196. This star is + 43° 4100a in the revised Bonn Durchmusterung. On Plate I 18560, stars o and p, and on Plates I 18609 and I 19319, star p, were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

197. The stars m, n, and o were added to the sequence later, and the magnitudes were derived from estimates on Plates I 4282, B 6314, B 10500, and I 19379 The magnitudes of stars k and l are derived from scale measures

and estimates. Star m may be identical with + 5° 4922, magn. 9.5.

198. When selecting comparison stars for this variable one of them was found to vary. It has accordingly been designated as 199. It has been assumed that 199 is + 32° 4335, as the position given in the Durchmusterung agrees more closely with it than with 198. On Plate I 6989, star r, on Plate I 18856, stars t and u, and on Plate I 27553, star s, were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

199. See 198.

200. This star is Gillis 15580, magn. 9.0.

201. The stars m, n, o, and p were added to the sequence later, and the magnitudes were derived from estimates on Plates B 10299, B 15192, B 23257, and B 23729. Five measures of the comparison stars were made on Plate B 6327. The residuals from the last three measures are 1, 1, *1*, *1*, *1*, *2*, 0, 0, *1*; 1, 1, *1*, *1*, 2, 1, 0, *1*, 0; 1, 0, *1*, 0, *2*, *1*, *1*, 0, 0, respectively.

202. On Plate I 4820, stars o and p, and on Plates B 11822 and B 20773, stars p and q were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

203. On Plate B 10299, stars n, o, p, and q, on Plate B 15192, stars n, o, and p, and on Plates B 5678 and B 16208, star q, were too faint for comparison with the scale. The intervals in brightness were therefore estimated. Star c is C.DM. − 22° 15873, magn. 9.6. Star e is C.DM. − 23° 17416, magn. 9.6. Star g is C.DM. − 22° 15872, magn. 9.9. Star h is C.DM. − 22° 15876, magn. 10.0. Star m is − 22° 15869, magn. 10.0.

206. On Plate B 30670, star p was too faint for comparison with the scale. The interval in brightness was therefore estimated.

207. On Plate I 9276, star s, and on Plate I 15388, stars t and u, were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

208. The variable and star h are so close together that either might be assumed to be + 40° 4920, magn. 9.1. Therefore, this magnitude has not been used in determining the magnitudes of the comparison stars. The variable is the south preceding component of the pair.

209. On Plates B 20702 and B 28636, star p was too faint for comparison with the scale. The intervals in brightness were therefore estimated.

210. The Durchmusterung chart and catalogue do not agree. The former gives an object in the position of star g, the latter, an object in the position of the variable. The variable has been assumed to be the catalogue star. On Plate I 8860, stars m, n, and o, on Plate I 2198, stars n and o, and on Plates I 6956 and I 6994, stars o and p were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The stars q and r were added to the sequence later, and their magnitudes were derived from estimates on Plates I 17131 and I 28200.

213. On Plate I 13186, stars o and p, on Plate I 21567, star r, and on Plates I 33392 and I 33747, stars r and s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

214. On Plate I 16805, star q, on Plate I 18824, stars q, r, and s, and on Plate I 33497, star s were too faint for comparison with the scale. The intervals in brightness were therefore estimated. The star images are poor on Plate I 16805, and comparison with the scale was difficult.

218. On Plate B 16620, stars q and r, on Plate B 16914, stars q, r, s, and t, and on Plates B 19585 and B 28468, stars s and t were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

219. On Plate B 30182, stars q, r, and s, on Plate B 19887, stars r and s, and on Plates B 23943 and B 27601, star s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

220. On Plate I 15662, stars p, q, r, s, and t, on Plate I 18650, star r, s, and t, on Plate I 28066 star u were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

221. This star is + 54° 3102a in the revised Bonn Durchmusterung.

222. The position of + 42° 4825, magn. 9.0, agrees with that of star k, but the magnitude is more nearly that of star g. On Plate I 1971, star r, and on Plates I 16806 and I 23735, star s were too faint for comparison with the scale. The intervals in brightness were therefore estimated.

In general, six observations were made of the position of each variable. The residuals of two of these are given in the eighth and ninth columns of Table I. The number of the variable and the additional residuals in x and in y are given in Table II. The measures of 95, Nova Normae, are given in Vol. 26, Part 2, and those of 138, Nova Aquilae No. 2, in Circular 106. The additional lines assigned to variable 58 relate to stars c, f, p, q, and r, respectively. In variable 70, the third line relates to star c.

TABLE II.

ADDITIONAL RESIDUALS.

No.	Δx	Δy	No.	Δx	Δy	No.	Δx	Δx
2	00,*05*,05,00	*01*,*01*,*01*,*01*	53	01,01,01,01	00,00,00,00	93	00,00,00,00	00,00,00,00
3	*01*,*01*,*01*,*01*	02,02,*03*,02	54	00,00,00,00	*02*,03,*02*,03	94	*02*,03,*02*,03	00,00,00.00
6	*01*,04,*01*,*01*	*02*,03,*02*,03	55	*01*,*01*,04,*01*	00,00,00,00	95	R	
7	00,00,00,00	00,00,00,00	56	01,01,01,01	03,*02*,03,*02*	96	00,00,00,00	02,*03*,02,02
8	01,01,01,01	00,00,00,00	57	*02*,03,03,*02*	03,*02*,*02*,*02*	98	02,02,02,*03*	00,00,00,00
10	*02*,03,03,*02*	*03*,02,02,02	58	*01*,*01*	00,00	99	00,00,00,00	00,00,00,00
11	00,00,00,00	*01*,04,*01*,*01*		*07*	00	100	00,00,00,00	02,02,*03*,02
12	00,00	*01*,*01*		*02*	02	101	*01*,04,*01*,*01*	*01*,*01*,*01*,*01*
13	00,00,00,00	01,01,01,*04*		*07*	00	102	03,*02*,*02*,*02*	*01*,*01*,*01*,*01*
14	00,00,00,00	01,01,01,01		*04*,*04*	*03*,02	103	00,00,00,00	01,01,*04*,01
15	01,01,*04*,01	01,*04*,01,01		*01*,*01*	00,00	104	*02*,*02*,*02*,*02*	02,*03*,02,02
16	04,*01*,*01*,*01*	*01*,*01*,04,*01*	59	*02*,*02*	01,*04*	105	*02*,03,*02*,03	*02*,03,*02*,03
17	*03*,02,02,02	00,00,00,00	60	00,00,00,00	02,*03*,02,*03*	106	00,00,00,00	00,00,00,00
18	03,*02*,*02*,03	*04*,01,01,01	61	01,01,*04*,01	02,02,*03*,02	107	*02*,03,*02*,*02*	00,00,00,00
19	03,*02*,*02*,03	*01*,04,*01*,*01*	62	*02*,03,*02*,03	00,00,00,00	109	00,00,00,00	00,00,00,00
20	*01*,*01*,*01*,04	*01*,04,*01*,*01*	64	04,*01*,*01*,*01*	02,*03*,02,*03*	110	00,00,00,00	*01*,*01*,*01*,*01*
21	03,*02*,*02*,03	00,00,00,*05*	65	00,00,00,00	02,*03*,02,02	111	00,00,00,00	*01*,*01*,*01*,*01*
22	*04*,01,01,01	*04*,01,01,01	66	00,00,00,00	03,*02*,03,*02*	112	00,00,00,00	00,00,00,00
23	02,*03*,*03*,*03*	02,02,*03*,02	67	01,01,01,01	02,02,02,*03*	115	*03*,02	00,00
24	00,00,00,00	00,00,00,00	68	*04*,01,01,01	00,00,00,00	117	00,00,00,00	03,*02*,03,03
26	00,00,00,00	*01*,04,*01*,*01*	70	*01*,*01*,*01*,04	00,00,00,00	118	03,03,*02*,03	00,00,00,00
28	*04*,01,01,01	*02*,03,03,*02*		*01*,*01*	00,00	121	00,00,00,00	01,01,01,*04*
29	02,*03*,02,02	00,00,00,00		00,00	00,00	122	04,*01*,*01*,*01*	*01*,*01*,04,*01*
30	03,*02*,*02*,03	*02*,03,*02*,*02*	71	00,00,00,00	02,*03*,02,*03*	123	01,*04*,01,01	*01*,04,*01*,*01*
31	*03*,02,02,02	01,01,01,01	73	00,00,00,00	00,00,00,00	124	00,00,00,00	00,00,00,00
32	01,01,01,01	00,00,00,00	74	00,00,00,00	00,00,00,00	125	*03*,*03*,02,02	00,00,00,00
34	03,*02*,*02*,03	02,*03*,*03*,02	75	03,*02*,*02*,03	*01*,*01*,*01*,*01*	126	*01*,04,*01*,*01*	00,00,00,00
35	02,02,02,02	03,*02*,03,*02*	77	00,00,00,00	00,00,00,00	127	*04*,01,01,01	04,*01*,*01*,*01*
36	04,*01*,*01*,*01*	00,00,00,00	79	03,*02*,*02*,*02*	*02*,*02*,03,03	129	*01*,*01*,*01*,*01*	01,01,01,01
37	01,*04*,01,01	*02*,03,03,*02*	80	*04*,01,01,01	*02*,03,*02*,03	130	00,00,00,00	00,00,00,00
38	01,01,01,01	01,01,01,*04*	81	00,00,00,00	00,00,00,00	132	01,01,01,01	*02*,03,*02*,*02*
40	00,00,00,00	00,00,00,00	82	*02*,03,*02*,*02*	*01*,*01*,04,*01*	133	00,00,00,00	*02*,03,03,*02*
41	00,00,00,00	00,00,00,00	83	02,*03*,02,*03*	02,*03*,*03*,02	134	03,*02*,*02*,*02*	02,*03*,02,02
42	*02*,03,03,03	*02*,*02*,03,*02*	84	00,00,00,00	01,01,01,01	135	02,*03*,02,02	00,00,00,00
43	*02*,03,03,*02*	*02*,03,03,*02*	85	03,*02*,03,03	00,00,00,00	136	00,00,00,00	*03*,02,02,*03*
44	*03*,02,02,02	00,00,00,00	86	02,*03*,02,*03*	00,00,00,00	137	*01*,*01*,*01*,*01*	00,00,00,00
45	*04*,01,01,01	04,*01*,*01*,*01*	87	02,*03*,02,*03*	00,00,00,00	138	R	
46	03,*02*,*02*,*02*	*01*,04,*01*,*01*	88	00,00,00,00	00,00,00,00	139	03,03,*02*,*02*	*02*,03,03,03
49	00,00,00,00	01,*04*,01,01	89	00,00,00,00	00,00,00,00	140	01,01,01,01	*01*,04,*01*,*01*
50	00,00,00,00	02,*03*,02,02	91	00,00,00,00	02,*03*,02,*03*	141	00,00,00,00	03,*02*,03,*02*
51	01,01,01,01	03,*02*,03,*02*	92	00,00,00,00	*03*,02,02,02	142	02,02,02,*03*	00,00,00,00

No.	Δx	Δy	No.	Δx	Δy	No.	Δx	Δy
143	02,02,02,02	00,00,00,00	169	*03*,*03*,02,02	*01*,*01*,*01*,04	195	*01*,*01*,*01*,*01*	04,*01*,*01*,*01*
144	02,02,02,*03*	00,00,00,00	170	03,*02*,03,*02*	*02*,03,*02*,03	196	01,01,01,*04*	00,00,00,00
145	00,00,00,00	01,01,01,01	170	00,00,00,00	01,01,01,*04*	197	*01*,*01*,*01*,*01*	*02*,03,*02*,*02*
146	*02*,*02*,03,03	00,00,00,00	172	*02*,03,*02*,03	01,01,01,01	198	02,02,*03*,02	00,00,00,00
147	00,00	03,*02*	173	*02*,03,*02*,*02*	00,00,00,00	200	*03*,02,02,*03*	00,00,00,00
148	00,00,00,00	*01*,04,*01*,*01*	174	00,00,00,00	00,00,00,00	201	00,00,00,00	02,*03*,02,02
149	00,00,00,00	00,00,00,00	175	00,00,00,00	*02*,*02*,*02*,03	202	00,00,00,00	01,01,01,*04*
150	03,03,03,*02*	01,01,01,01	176	00,00,00,00	00,00,00,00	203	02,*03*,02,02	*01*,04,*01*,*01*
151	*03*,02,02,02	01,01,*04*,01	178	00,00,00,00	01,01,*04*,01	206	00,00,00,00	03,*02*,03,*02*
152	02,*03*,02,02	00,00,00,00	179	*01*,*01*,*01*,*01*	02,*03*,02,*03*	207	02,02,02,*03*	00,00,00,00
153	02,*03*,*03*,02	00,00,00,00	180	*01*,*01*,*01*,*01*	00,00,00,00	208	00,00,00,00	*03*,02,*03*,02
154	01,01,01,01	01,01,*04*,01	181	*02*,*02*,*02*,*02*	00,00,00,00	209	00,00,00,00	03,*02*,03,03
156	*03*,*03*,02,02	00,00,00,00	182	*01*,*01*,*01*,*01*	*04*,01,01,01	210	00,00,00,00	03,*02*,*02*,*02*
157	*03*,02,02,02	00,00,00,00	183	00,00,00,00	00,00,00,00	212	00,00	01,01
158	01,01,01,01	*02*,03,03,*02*	184	04,*01*,*01*,*01*	01,*04*,*04*,06	213	*03*,*03*,02,*03*	01,01,01,*04*
159	*03*,*03*,02,02	04,*01*,*01*,*01*	186	00,00,00,00	00,00,00,00	214	00,00,00,00	*03*,*03*,02,*03*
160	02,02,02,02	00,00,00,00	187	00,00,00,00	00,00,00,00	216	00,00,00,00	01,01,01,*04*
161	*01*,*01*,*01*,04	00,00,00,00	188	*01*,*01*,*01*,*01*	00,00,00,00	217	00,00,00,00	02,*03*,*03*,02
162	00,00,00,00	00,00,00,00	189	*03*,*03*,02,02	00,00,00,00	218	*02*,*02*,03,*02*	01,01,*04*,01
164	*02*,*02*,03,03	00,00,00,00	190	*01*,04,*01*,*01*	*01*,*01*,*01*,*01*	219	00,00,00,00	03,*02*,*02*,03
165	00,00,00,00	00,00,00,00	191	*03*,02,02,02	00,00,00,00	220	00,00,00,00	00,00,00,00
166	03,*02*,03,*02*	00,00,00,00	192	*02*,*02*,*02*,03	*03*,*03*,*03*,02	222	00,00,00,00	*04*,01,01,01
168	*02*,*02*,*02*,*02*	00,00,00,00	193	00,00,00,00	00,00,00,00			

As stated on page 4, the additional measures of the variable and comparison stars are contained in Table III. The successive columns give the number of the variable, the designation of the star, and the means and residuals of the measured coördinates. The coördinates in seconds, referred to the variable as an origin, are given in the seventh and eighth columns, and the means of these values and those given in the tenth and eleventh columns of Table I are given in the ninth and tenth columns. The designation of the first of the additional stars is given in the final column of the table.

TABLE III.

ADDITIONAL MEASURES.

Var.	Des.	x	y	Δx	Δy	x	y	x	y	Des.
						″	″	″	″	
1	V	+ 5.19	+ 6.11	*04*,01,01,01	*01*,*01*,04,*01*	0	0	0	0	n
	m	+ 5.20	+ 5.52	00,00	*02*,03	+ 2	− 106	− 4	− 98	
8	V	+ 5.20	+ 3.58	00,00,00,00	*03*,02,*03*,02	0	0	0	0	r
	a	+ 14.92	+ 4.22	*02*,03	03,*02*	+ 1740	+ 115	+ 1748	+ 106	
58	V	....	....	....	....	0	0	0	0	s
	q	+ 8.80	+ 4.68	00,00	*03*,02	+ 56	− 19	+ 58	− 19	
	r	+ 7.35	+ 5.25	00,00	00,00	− 31	+ 15	− 30	+ 15	
70	V	+ 8.46	+ 7.90	00,00,00,00	00,00,00,00	0	0	0	0	R
	c	+ 1.00	+ 14.75	00,00	00,00	− 1335	+ 1226	− 1335	+ 1226	
84	V	+ 1.30	+ 9.40	....	....	0	0	0	0	r
	a	− 6.10	+ 13.35	▲ ..	▲ ..	− 1206	+ 645	− 1208	+ 654	
	g	+ 9.75	+ 3.65	▲ ..	▲ ..	+ 1377	− 936	+ 1377	− 938	
86	V	+ 14.55	+ 8.55	▲ ..	▲ ..	0	0	0	0	R
	a	+ 1.75	+ 5.35	▲ ..	▲ ..	+ 2297	+ 573	+ 2297	+ 573	
	d	+ 14.80	+ 10.40	▲ ..	▲ ..	− 45	− 331	− 46	− 331	
107	V	+ 4.75	+ 4.30	00,00,00,00	00,00,00,00	0	0	0	0	t
	k	+ 0.30	+ 0.18	00,00	*03*,02	− 267	− 247	− 256	− 254	
	p	+ 12.80	+ 10.32	00,00	*02*,03	+ 483	+ 361	+ 472	+ 379	
	r	+ 8.22	+ 3.55	*02*,03	00,00	+ 208	− 45	+ 205	− 36	
	s	+ 6.40	+ 3.70	00,00	00,00	+ 99	− 36	+ 102	− 27	
109	V	+ 3.00	+ 5.85	00,00,00,00	00,00,00,00	0	0	0	0	o
	a	+ 11.05	+ 4.32	00,00	03,*02*	+ 1441	− 274	+ 1441	− 274	
	k	+ 1.80	+ 6.35	00,00	00,00	− 215	+ 90	− 215	+ 90	
	n	+ 3.80	+ 5.60	00,00	00,00	+ 143	− 45	+ 143	− 45	
111	V	+ 0.70	+ 4.55	00,00,00,00	00,00,00,00	0	0	0	0	p
	b	+ 16.00	+ 17.40	00,00	00,00	− 2739	− 2300	− 2562	− 2476	
	c	− 15.02	− 2.30	02,*03*	00,00	+ 2814	+ 1226	+ 2730	+ 1424	
	n	+ 1.80	+ 3.58	00,00	02,*03*	− 197	+ 174	− 208	+ 171	
	o	+ 1.20	+ 3.30	00,00	00,00	− 90	+ 224	− 94	+ 218	
113	V	+ 5.05	+ 7.04	00,00,00,00	*04*,01,01,01	0	0	0	0	p
	a	+ 5.80	+ 5.55	00,00	00,00	− 134	+ 267	− 136	+ 266	
	h	+ 3.75	+ 7.25	00,00	00,00	+ 233	− 38	+ 233	− 38	
	o	+ 5.35	+ 6.90	00,00	00,00	− 54	+ 25	− 58	+ 23	
145	V	+ 17.25	+ 10.15	00,00,00,00	00,00,00,00	0	0	0	0	s
	e	+ 14.25	+ 8.95	00,00	00,00	− 537	− 215	− 534	− 218	
	k	+ 18.42	+ 10.78	*02*,03	02,*03*	+ 209	+ 113	+ 208	+ 114	
	r	+ 16.70	+ 10.15	00,00	00,00	− 98	0	− 94	− 4	
146	V	+ 7.66	+ 4.40	*01*,04,*01*,*01*	00,00,00,00	0	0	0	0	R
	R	+ 7.66	+ 4.32	*01*,04,*01*,*01*	*02*,03,03,*02*	0	− 14	..	..	
	a	+ 11.68	+ 1.60	*03*,02	00,00	+ 720	− 501	+ 718	− 506	
	c	+ 1.25	− 0.30	00,00	00,00	− 1147	− 931	− 1158	− 926	

Var.	Des.	*x*	*y*	Δ*x*	Δ*y*	*x*	*y*	*x*	*y*	Des.
146	d	+ 6.20	+ 2.60	00,00	00,00	− 261″	− 322″	− 266″	− 313″	
	e	+ 7.42	+ 2.75	03,*02*	00,00	− 43	− 295	− 38	− 287	
	f	+ 8.70	+ 5.00	00,00	00,00	+ 186	+ 107	+ 187	+ 112	
	g	+ 4.10	+ 5.42	00,00	03,*02*	− 637	+ 183	− 638	+ 195	
151	N	+ 5.20	+ 5.70	00,00,00,00	00,00,00,00	0	0	0	0	w
	s	+ 4.12	+ 5.80	03,*02*	00,00	− 65	+ 6	− 66	+ 8	
	t	+ 1.30	+ 7.78	00,00	*03*,02	− 234	+ 125	− 236	+ 122	
	u	+ 3.25	+ 6.10	00,00	00,00	− 117	+ 24	− 115	+ 26	
167	V	+ 20.30	+ 14.80	00,00,00,00	00,00,00,00	0	0	0	0	p
	b	+ 10.30	+ 13.25	00,00	00,00	− 1790	− 277	− 1786	− 274	
	e	+ 24.65	+ 14.60	00,00	00,00	+ 779	− 36	+ 779	− 34	
	m	+ 17.30	+ 14.70	00,00	00,00	− 537	− 18	− 532	− 14	
	n	+ 20.75	+ 15.10	00,00	00,00	+ 81	+ 54	+ 81	+ 54	
	o	+ 17.60	+ 14.78	00,00	*03*,02	− 483	− 4	− 478	− 2	
179	V^1	+ 13.71	+ 12.25	04,*01,01,01*	00,00,00,00	0	0	0	0	r
	a	+ 13.22	+ 11.75	*02*,03	00,00	− 80	− 82	− 80	− 78	
	h	+ 17.10	+ 13.55	00,00	00,00	+ 553	+ 212	+ 553	+ 216	
	m	+ 10.15	+ 9.15	00,00	00,00	− 580	− 505	− 580	− 504	
	o	+ 13.45	+ 12.30	00,00	00,00	− 42	+ 8	− 42	+ 10	
184	V		....	....	00,00	0	0	0	0	q
	d	+ 2.55	+ 4.10	00,00	00,00	− 613	− 520	− 617	− 516	
	e	+ 12.95	+ 6.65	00,00	00,00	+ 1082	− 104	+ 1082	− 104	
	g	+ 3.90	+ 11.38	00,00	02,*03*	− 393	+ 667	− 393	+ 668	
	o	+ 4.65	+ 7.80	00,00	00,00	− 271	+ 83	− 275	+ 83	
	p	+ 5.30	+ 8.20	00,00	00,00	− 165	+ 148	− 165	+ 148	
210	V	....	....	....	....	0	0	0	0	q
	b	− 6.38	+ 2.70	*02*,03	00,00	− 1170	− 117	− 1172	− 119	
	g	+ 0.42	+ 4.75	*02*,03	00,00	− 62	+ 217	− 64	+ 220	
	h	+ 1.80	− 1.55	00,00	00,00	+ 163	− 810	+ 163	− 808	
	o	+ 0.80	+ 3.75	00,00	00,00	0	+ 54	− 2	+ 58	
	p	+ 2.30	+ 2.85	00,00	00,00	+ 244	− 93	+ 244	− 89	

REMARKS.

70. The additional stars are a, b, f, h, and k.

86. The only additional star is k.

107. The additional stars are t, u, and w, which are given in the Remarks following Table I.

109. The additional star is o, which is given in the Remarks following Table I.

111. The additional stars are p and q, which are given in the Remarks following Table I.

113. The additional star is p, which is given in the Remarks following Table I.

146. These additional measures were made to determine whether the variable or the adjacent nebula was the object observed at Cordoba, and designated as − 39° 13207. The measures of the nebula are given in the second line.

167. The additional stars are p, q, r, and s, which are given in the Remarks following Table I.

179. The only additional star is p.

184. The additional stars q, r, and s, were selected and measured on Plate I 26023, on which the variable star is too faint to appear. Stars d, e, g, o, and p were therefore measured to afford a means of orientation.

Table IV gives the material employed in determining the zero of magnitude of the comparison stars. The number of the variable is given in the first column, and the designations of the comparison stars used, in the second. The third column gives the Catalogue Magnitude corrected, in the case of stars north of declination — 2°, as described on page 3. In a few sequences the Cape Photographic Durchmusterung magnitudes have been used, as stated in the Remarks following Table I. The fourth column gives the difference as described on the fourteenth line of page 3. The residuals found by subtracting the mean of these differences from the individual values are given in the fifth column. The large value of many of these residuals is in some cases due to the color of the star, and in others to the difference in scale of the visual and photographic magnitudes. As these differences appear to be real and not due to errors of observation, it has appeared best to retain them. It will be necessary to apply a correction in any case to reduce the photographic magnitudes here given to a uniform scale.

TABLE IV.

DETERMINATION OF MAGNITUDES.

Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.
1	a	6.7	6.70	*34*	6	c	9.3	8.16	*32*	11	h	10.5	6.26	*71*	17	d	8.5	7.73	13
	b	7.6	7.02	*02*		d	10.5	9.06	58	12	a	8.2	8.20	57		e	8.5	7.58	*02*
	c	8.5	7.52	48	7	a	8.9	8.90	27		b	8.2	7.72	09	18	a	7.5	7.50	26
	d	9.0	7.72	68		b	9.0	8.60	*03*		c	8.9	8.04	41		b	8.0	7.30	06
	e	9.2	7.42	38		c	9.5	8.58	*05*		d	8.8	7.62	*01*		c	8.3	7.38	14
	f	9.0	6.70	*34*		e	10.2	8.73	10		e	9.0	7.47	*16*		d	8.8	7.63	39
	g	9.8	7.15	11		f	10.5	8.35	*28*		f	9.4	7.57	*06*		e	9.3	7.53	29
	h	9.8	6.77	*27*	8	a	9.0	9.00	18		g	9.6	7.52	*11*		f	9.3	7.18	*06*
	k	9.9	6.37	*67*		c	9.5	8.64	*18*		h	10.0	7.60	*03*		g	9.2	6.78	*46*
2	a	5.9	5.90	*39*	9	a	8.2	8.20	04		k	9.7	6.95	*68*		h	9.5	6.63	*61*
	b	6.5	5.92	*37*		b	9.0	8.52	36	13	a	8.0	8.00	*25*	19	a	7.9	7.90	120
	c	7.2	6.10	*19*		d	9.0	7.77	*39*		b	9.0	8.60	35		b	7.9	6.95	25
	d	9.0	7.25	96	10	a	7.5	7.50	06		c	8.9	8.15	*10*		c	8.4	6.75	05
3	a	8.0	8.00	*14*		b	9.5	9.00	156	14	a	5.5	5.50	17		d	9.1	6.97	27
	b	9.0	8.62	48		c	7.5	6.72	*72*		b	7.5	6.32	99		e	9.1	6.55	*15*
	c	8.5	7.72	*42*		d	8.5	7.47	03		c	7.0	5.02	*31*		f	9.6	6.70	00
	e	9.5	8.20	06		e	9.0	7.72	28		d	8.5	5.54	21		g	9.5	6.00	*70*
4	a	9.0	9.00	25		f	8.5	6.92	*52*		e	7.5	4.26	*107*		h	9.8	5.75	*95*
	b	9.0	8.50	*25*		g	9.0	7.20	*24*	15	a	8.8	8.80	05	20	a	8.4	8.40	39
5	a	7.0	7.00	*63*		h	9.0	6.95	*49*		b	8.8	8.30	*45*		b	8.7	8.28	27
	b	7.5	7.10	*53*	11	a	6.4	6.40	*57*		c	9.9	8.83	08		c	9.1	8.23	22
	c	9.5	8.68	105		b	7.5	7.28	31		d	10.5	9.06	31		d	9.2	7.91	*10*
	d	9.0	7.76	13		c	8.1	7.38	41	16	a	9.9	9.90	02		e	9.3	7.79	*22*
	e	9.5	7.61	*02*		d	8.2	7.13	16		c	10.5	10.00	12		f	9.4	7.47	*54*
6	a	8.0	8.00	*48*		e	9.3	7.58	61		d	10.5	9.75	*13*	21	a	7.5	7.50	36
	b	9.5	8.68	20		f	9.7	6.76	*21*	17	a	7.5	7.50	*10*		b	7.5	7.02	*12*

Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.
21	c	8.0	7.27	13	31	c	9.4	8.80	00	39	b	9.3	8.85	00	48	a	9.0	9.00	04
	d	8.0	6.82	*32*		d	9.8	8.90	10		c	9.9	9.13	28		b	9.2	9.02	06
	f	8.9	7.09	*05*		e	9.5	8.30	*50*		d	9.9	8.73	*12*		c	9.5	9.02	06
22	a	7.0	7.00	14	32	a	8.8	8.30	80	40	a	7.4	7.40	*30*		d	9.5	8.82	*14*
	b	7.5	6.90	04		b	8.9	8.32	82		b	8.0	7.62	*08*	49	a	8.5	8.50	32
	c	9.0	7.70	84		c	8.6	7.67	17		c	8.5	7.82	12		c	9.0	8.55	37
	d	9.0	6.98	12		d	7.7	6.87	*113*		d	9.0	7.97	27		d	8.5	7.45	*73*
	e	9.5	6.90	04		e	9.8	7.57	07	41	a	8.9	8.90	54		e	9.5	8.20	02
	f	9.0	5.65	*121*		h	9.8	6.75	*75*		b	9.1	8.78	42	50	a	8.5	8.50	17
23	a	7.1	7.10	*47*	33	a	6.6	6.60	*139*		c	9.3	8.68	32		b	8.5	8.22	*11*
	b	7.5	7.30	*27*		b	9.0	8.42	43		d	8.7	7.80	*56*		c	9.0	8.42	09
	d	9.0	8.32	75		c	9.3	8.30	31		e	9.5	8.32	*04*		d	9.0	8.17	*16*
24	a	7.7	7.70	73		d	9.7	8.32	33		f	9.7	8.30	*06*	51	a	8.2	8.20	10
	b	7.5	6.88	*09*		e	10.2	8.47	48		g	9.4	7.72	*64*		b	9.1	8.46	36
	c	8.5	7.43	46		f	9.9	7.82	*17*	42	a	6.3	6.30	*88*		c	9.1	8.22	12
	d	8.6	7.08	11		g	10.5	8.02	03		b	8.3	7.78	60		d	9.0	7.78	*32*
	e	9.0	7.00	03	34	a	8.0	8.00	32		c	8.4	7.66	48		e	9.6	7.82	*28*
	f	9.1	6.70	*27*		b	7.8	7.30	*38*		d	7.8	6.88	*30*	52	a	8.3	8.30	90
	g	9.6	6.75	*22*		c	8.5	7.65	*03*		e	8.9	7.76	58		b	8.4	7.90	50
	h	9.5	6.23	*74*		d	9.0	7.93	25		f	9.1	7.16	*02*		c	8.7	7.80	40
25	a	8.0	8.00	*48*		e	9.5	8.23	55		g	9.4	7.18	00		d	9.1	7.82	42
	b	9.0	8.75	27		g	9.0	6.97	*71*		k	9.5	6.68	*50*		e	8.9	7.30	*10*
	c	9.5	8.70	22	35	a	8.5	8.50	107	43	a	8.5	8.50	28		f	9.4	7.40	00
26	a	8.5	8.50	*07*		b	7.5	7.15	*28*		d	9.0	7.94	*28*		g	9.7	7.32	*08*
	b	9.0	8.75	18		c	8.3	7.30	*13*	44	a	7.7	7.70	*10*		h	9.8	7.02	*38*
	c	9.0	8.45	*12*		d	9.1	7.90	47		b	8.7	8.30	50		k	9.8	6.72	*68*
27	a	7.5	7.50	27		e	8.9	7.48	05		c	9.1	8.30	50		l	10.0	6.47	*93*
	b	9.0	8.42	119		f	9.4	7.38	*05*		d	9.0	7.80	00	53	a	7.8	7.80	00
	c	8.8	7.80	57		g	9.4	7.08	*35*		e	9.5	7.95	15		b	7.5	7.20	*60*
	d	9.3	7.82	59		h	10.0	7.46	03		g	9.5	7.31	*49*		c	9.0	8.40	60
	e	9.1	7.40	17		l	9.8	6.61	*82*		h	9.7	7.21	*59*	54	a	8.5	8.50	28
	f	9.3	7.25	02	36	a	6.5	6.50	*117*	45	a	8.6	8.60	23		b	9.2	8.68	46
	g	9.7	7.30	07		b	7.5	7.25	*42*		b	9.0	8.40	03		c	8.5	7.48	*74*
	h	9.7	6.92	*31*		c	8.2	7.65	*02*		c	10.2	8.68	31	55	a	6.7	6.70	*21*
	k	9.9	6.74	*49*		d	9.0	8.17	50		d	10.5	8.68	31		b	7.5	6.52	*39*
	l	10.0	6.44	*79*		e	9.5	8.47	80		e	10.2	8.08	*29*		c	7.9	6.62	*29*
	m	9.9	5.96	*127*		f	8.5	7.29	*38*		g	10.5	7.76	*61*		d	8.1	6.37	*54*
28	a	7.8	7.80	*14*		g	9.1	7.59	*08*	46	a	8.0	8.00	37		e	9.1	7.07	16
	c	9.2	8.07	13		h	10.5	8.47	80		b	8.0	7.78	15		f	9.9	7.45	54
29	a	8.5	8.50	86	37	a	9.5	9.50	48		c	8.5	8.00	37		g	10.5	7.63	72
	b	8.3	7.62	*02*		b	9.8	9.42	40		d	8.0	7.12	*51*	56	a	6.8	6.80	*115*
	c	9.0	7.77	13		c	9.8	9.14	12		e	9.1	7.87	24		b	8.5	8.18	23
	d	9.1	7.35	*29*		d	9.2	8.32	*70*		f	8.9	7.42	*21*		c	9.5	8.86	91
	e	10.0	7.57	*07*		e	9.8	8.70	*32*		g	9.4	7.72	09	57	a	7.2	7.20	*78*
	f	9.9	7.02	*62*	38	a	8.0	8.00	34		k	9.5	7.12	*51*		b	8.5	8.30	32
30	a	6.7	6.70	*22*		b	8.5	8.02	36	47	a	8.7	8.70	07		c	8.8	8.32	34
	b	6.8	6.50	*42*		c	9.0	8.02	36		b	8.7	8.44	*19*		d	9.0	8.10	12
	c	8.2	7.55	63		d	9.0	7.52	*14*		c	9.5	8.84	21	58	b	8.5	7.82	34
31	a	8.9	8.90	10		f	9.0	6.76	*90*		d	9.9	8.72	09		c	8.0	7.14	*34*
	b	9.4	9.12	32	39	a	8.7	8.70	*15*		e	10.2	8.46	*17*	59	a	8.5	8.50	*11*

Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.
59	b	9.0	8.72	11	67	k	8.9	6.13	*11*	75	h	9.4	6.37	*92*	85	b	9.0	8.42	29
	c	9.0	8.62	01		l	9.3	6.21	*03*		k	10.0	6.75	*54*		c	8.8	7.74	*39*
60	a	9.2	9.20	36		m	9.5	5.99	*25*	76	a	9.0	9.00	00		d	9.0	7.76	*37*
	b	9.5	9.12	28	68	a	8.9	8.90	55		b	9.5	9.00	00	86	a	8.5	8.50	40
	e	9.5	8.19	*65*		b	8.8	8.58	23	77	a	6.6	6.60	*10*		b	8.8	8.30	20
61	a	9.0	9.00	71		c	9.1	8.33	*02*		b	7.0	6.68	*02*		c	9.0	8.10	00
	b	9.0	8.85	56		d	9.3	8.08	*27*		c	6.4	6.06	*64*		d	9.3	8.00	*10*
	c	8.2	7.77	*52*		e	9.5	7.88	*47*		d	9.0	8.11	141		e	9.8	8.15	05
	d	8.6	7.89	*40*	69	a	8.0	8.00	32		f	8.0	6.26	*44*		f	9.5	7.57	*53*
	e	9.0	7.94	*35*		b	8.5	7.98	30		k	9.4	6.48	*22*	87	a	8.8	8.80	28
62	a	8.0	8.00	53		c	8.8	7.90	22	78	a	8.0	8.00	29		b	9.2	8.98	46
	b	8.0	7.52	05		d	8.5	7.25	*43*		b	8.0	7.58	*13*		c	9.2	8.67	15
	c	8.5	7.62	15		e	8.8	7.25	*43*		c	8.0	7.13	*58*		d	8.5	7.63	*89*
	d	9.0	7.62	15	70	a	9.0	9.00	116		d	9.5	8.13	42	88	a	8.8	8.80	28
	e	8.3	6.37	*110*		b	9.0	8.82	98	79	a	7.8	7.80	57		b	9.2	8.98	46
	f	10.0	7.67	20		f	8.5	7.14	*70*		b	8.2	7.58	35		c	9.2	8.67	15
63	a	9.0	9.00	71		h	8.5	6.84	*100*		c	9.0	7.78	55		d	8.5	7.63	*89*
	b	9.0	8.45	16		k	9.5	7.42	*42*		d	8.6	6.86	*37*	89	a	8.1	8.10	*67*
	e	9.2	7.41	*88*	71	a	9.0	9.00	46		e	9.0	6.96	*27*		b	9.5	9.22	45
64	a	7.8	7.80	31		b	9.0	8.08	*46*		g	9.0	6.41	*82*		c	9.5	9.00	23
	b	9.0	7.94	45	72	a	7.3	7.30	*25*	80	a	8.5	8.50	67	90	a	7.6	7.60	100
	c	9.3	7.76	27		b	7.9	7.30	*15*		b	8.0	7.65	*18*		b	6.7	6.22	*38*
	d	9.4	7.40	*09*		c	8.8	7.65	10		c	9.0	8.13	30		c	6.8	5.97	*63*
	e	9.5	7.00	*49*		d	9.0	7.25	*30*		d	9.3	7.98	15	91	a	8.0	7.90	16
	f	9.9	7.06	*43*		e	10.5	8.15	60		e	9.5	7.88	05		b	8.5	8.20	46
65	a	8.0	8.00	59	73	a	7.6	7.60	30		f	9.1	7.38	*45*		c	8.0	7.38	*36*
	b	7.8	7.42	01		b	8.1	7.75	45		g	9.8	7.63	*20*		d	8.5	7.56	*18*
	c	9.0	8.08	67		c	8.8	8.13	83		h	10.0	7.51	*32*		e	9.0	7.66	*08*
	d	9.0	7.44	03		d	7.5	6.55	*75*	81	a	9.9	9.90	36	92	a	9.6	9.60	83
	e	9.5	7.40	*01*		e	9.0	7.87	57		b	10.2	9.62	08		b	9.6	9.30	53
	g	9.0	6.10	*131*		f	8.8	7.37	07		c	10.2	9.24	*30*		c	8.0	7.65	*112*
66	a	7.2	7.20	96		g	9.0	7.32	02		d	10.5	9.42	*12*		d	9.4	8.83	06
	b	6.8	6.45	21		h	8.5	6.62	*68*	82	a	8.5	8.50	*13*		e	10.0	9.11	34
	c	6.3	5.63	*61*		l	9.0	6.50	*80*		c	9.5	8.60	*03*		f	10.0	8.79	02
	d	6.7	5.61	*63*	74	a	7.6	7.60	30		d	10.0	8.80	17		g	10.0	8.54	*23*
	e	8.0	6.53	29		b	8.1	7.75	45	83	a	7.6	7.60	12		h	10.0	8.32	*45*
	f	7.8	5.93	*31*		c	8.8	8.13	83		b	7.0	6.58	*90*	93	a	8.5	8.50	32
	g	8.7	6.53	29		d	7.5	6.55	*75*		c	8.5	7.48	00		b	9.0	8.38	20
	h	8.8	6.41	17		e	9.0	7.87	57		d	9.2	7.88	40		c	8.8	7.86	*32*
	k	8.9	6.13	*11*		f	8.8	7.37	07		e	9.5	7.88	40		d	9.4	8.11	*07*
	l	9.3	6.21	*03*		g	9.0	7.32	02	84	a	7.9	7.90	66		e	9.8	8.06	*12*
	m	9.5	5.99	*25*		h	8.5	6.62	*68*		b	7.2	6.62	*62*	94	a	9.0	9.00	86
67	a	7.2	7.20	96		l	9.0	6.50	*80*		c	8.6	7.63	39		b	9.0	8.65	51
	b	6.8	6.45	21	75	a	8.0	8.00	71		d	8.9	7.32	08		c	9.0	8.30	16
	c	6.3	5.63	*61*		b	8.0	7.58	29		e	8.7	6.58	*66*		d	9.2	8.28	14
	d	6.7	5.61	*63*		c	8.5	7.68	39		f	10.5	7.90	66		e	9.5	8.30	16
	e	8.0	6.53	29		d	9.0	7.78	49		g	10.5	7.41	17		f	8.0	6.32	*182*
	f	7.8	5.93	*31*		e	9.4	7.80	51		h	10.5	7.03	*21*	95	R	..	..	..
	g	8.7	6.53	29		f	9.0	6.82	*47*		k	10.5	6.73	*51*	96	a	8.6	8.60	30
	h	8.8	6.41	17		g	9.2	6.82	*47*	85	a	8.6	8.60	47		b	8.7	8.20	*10*

Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.
96	c	9.2	8.40	10	108	a	8.5	8.50	37	117	b	9.8	9.00	47	126	a	9.2	9.20	40
	f	9.8	7.98	*32*		b	8.9	8.42	29		c	9.7	8.72	19		b	9.1	8.82	02
97	a	7.8	7.90	*08*		c	8.9	7.98	*15*		d	9.7	8.22	*31*		c	9.5	8.74	*06*
	b	8.0	7.60	*38*		d	9.4	7.98	*15*		e	9.9	8.32	*21*		d	9.5	8.44	*36*
	c	9.0	8.28	30		e	9.7	7.76	*37*		g	10.0	8.20	*33*	127	a	8.4	8.40	28
	e	9.4	8.18	15	109	a	7.2	7.20	02	118	a	8.2	8.20	11		b	8.6	8.32	20
98	a	7.5	7.50	44		b	7.9	7.20	02		b	8.8	8.35	26		c	8.4	7.92	*20*
	b	7.3	6.98	*08*		c	8.5	7.58	40		c	9.1	8.55	46		d	9.2	8.34	22
	c	7.2	6.26	*80*		d	8.7	7.20	02		d	9.0	8.03	*06*		e	9.2	8.06	*06*
	d	8.1	6.91	*15*		e	8.7	6.60	*58*		e	9.6	8.21	12		f	9.6	7.98	*14*
	e	8.7	7.09	03		f	9.9	7.18	00		f	9.6	7.86	*23*		g	10.2	8.16	04
	f	10.2	8.19	113		g	10.5	7.28	10		h	9.7	7.41	*68*		h	10.4	8.11	*01*
	g	8.9	6.69	*37*	110	a	9.7	9.70	68	119	a	7.5	7.50	02		k	10.4	7.81	*31*
	h	9.5	6.84	*22*		b	9.8	9.62	60		b	8.5	8.15	67	128	a	8.5	8.50	138
	k	10.2	7.04	*02*		c	9.5	9.10	08		e	9.0	7.32	*16*		b	7.3	6.88	*24*
99	a	8.5	8.50	*02*		d	9.6	8.92	*10*		f	9.0	6.97	*51*		c	8.5	7.83	71
	b	8.5	8.22	*30*		e	10.0	8.87	*15*	120	a	8.2	8.20	14		d	8.5	7.45	33
	c	9.0	8.47	*05*		f	10.0	8.67	*35*		b	8.6	8.18	12		e	9.3	7.83	71
	d	9.5	8.87	35		g	10.0	8.29	*73*		c	9.4	8.18	12		f	9.0	7.15	03
100	b	8.7	8.22	62	111	a	6.4	6.40	*06*		d	9.4	7.96	*10*		g	8.3	6.23	*89*
	c	9.0	8.24	64		b	7.0	6.60	14		e	9.3	7.84	*22*		h	9.5	7.13	01
	d	9.0	7.84	24		c	7.8	6.65	19		f	10.0	8.29	23		k	9.7	6.98	*14*
	f	8.5	6.74	*86*		d	8.0	6.47	01		g	9.8	7.79	*27*		l	10.0	6.83	*29*
	g	9.0	6.94	*66*		e	8.2	6.19	*27*		h	10.2	8.01	*05*		m	10.0	6.58	*54*
101	b	8.5	8.35	10	112	a	7.5	7.50	48	121	a	9.3	9.30	122		n	9.9	6.06	*106*
	c	8.5	8.15	*10*		b	8.5	8.08	106		b	9.0	8.72	64	129	a	9.8	9.80	27
102	a	9.5	9.50	73		d	9.0	7.88	86		c	9.8	8.97	89		b	10.2	9.90	37
	b	9.5	9.28	51		f	7.4	5.68	*134*		d	10.0	8.82	74		c	10.2	9.62	09
	c	9.5	9.06	29		g	8.0	5.98	*104*		e	9.6	8.27	19		d	10.4	9.62	09
	d	9.2	7.96	*81*	113	a	9.0	9.00	76		f	9.8	8.17	09		e	10.2	9.32	*21*
	e	9.5	8.04	*73*		b	8.0	7.70	*54*		g	9.8	7.65	*43*		f	10.4	9.32	*21*
103	a	7.0	7.00	*74*		c	9.5	9.02	78		h	10.0	7.70	*38*		g	10.4	9.10	*43*
	b	8.0	7.72	*02*		d	9.0	8.14	*10*		k	9.6	7.08	*100*	130	a	8.5	8.50	92
	c	9.0	8.32	58		e	8.5	7.32	*92*		l	9.8	7.10	*98*		b	8.7	8.28	70
	d	8.8	7.94	20	114	a	9.0	9.00	22		m	10.0	7.15	*93*		c	8.3	7.56	*02*
104	a	7.4	7.40	*36*		b	9.5	9.15	37	122	a	8.4	8.40	64		d	9.0	7.71	13
	b	8.1	7.82	06		c	9.3	8.57	*21*		d	8.2	7.17	*59*		e	9.1	7.48	*15*
	c	8.8	8.07	31		d	9.7	8.65	*13*		e	9.0	7.72	*04*		f	9.4	7.83	*25*
	d	8.6	7.59	*17*		e	10.0	8.55	*23*	123	a	7.9	7.90	61		m	9.7	6.25	*133*
	e	9.2	7.91	15	115	a	8.7	8.70	*09*		b	7.5	7.15	*14*	131	a	8.5	8.50	119
105	a	7.0	7.00	02		b	9.8	9.28	49		c	7.2	6.27	*102*		b	8.5	8.15	84
	b	7.6	6.92	*06*		c	9.7	8.98	19		d	9.0	7.59	30		c	7.5	6.77	*54*
	c	8.5	7.27	29		d	9.7	8.73	*06*		e	9.5	7.54	25		d	8.3	7.27	*04*
	d	8.5	6.75	*23*		e	9.9	8.71	*08*	124	a	7.0	7.00	*08*		e	8.2	6.87	*44*
106	a	9.5	9.50	72		g	10.0	8.33	*46*		b	7.8	7.28	20		f	9.3	7.59	28
	b	9.5	9.18	40	116	a	8.0	8.00	48		e	9.2	6.96	*12*		g	8.7	6.57	*74*
	f	9.2	7.66	*112*		b	7.8	7.38	*14*	125	a	9.5	9.50	94		h	9.5	6.97	*34*
107	a	8.0	8.00	09		d	8.8	7.48	*04*		b	9.5	9.00	44		k	10.0	7.12	*19*
	c	8.5	7.47	*44*		e	9.0	7.23	*29*		c	9.1	8.18	*38*	132	a	8.1	8.10	*71*
	d	9.5	8.27	36	117	a	8.7	8.70	17		e	9.5	7.54	*102*		b	10.2	9.62	81

Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.
132	c	9.5	8.70	*11*	139	f	9.3	6.83	30	151	b	9.3	8.25	94	157	d	8.3	7.19	*55*
	d	9.9	8.82	01		g	9.5	6.68	15		c	8.9	7.77	46	158	a	9.4	9.40	50
133	a	9.0	9.00	50		l	9.4	5.65	*88*		d	8.9	7.52	21		b	9.3	9.00	10
	b	9.0	8.62	12	140	a	7.0	7.00	*58*		e	9.1	7.54	23		c	9.7	9.10	20
	d	9.0	7.89	*61*		b	8.5	7.78	20		f	9.9	7.94	63		d	9.7	8.92	02
134	a	8.3	8.30	82		c	8.5	7.38	*20*		g	10.2	7.79	48		e	9.9	8.87	*03*
	b	8.7	8.40	92		d	9.1	7.88	30		h	10.5	7.84	53		f	9.7	8.49	*41*
	c	7.2	6.60	*88*		e	10.0	8.63	105		k	10.5	7.29	*02*		g	10.0	8.54	*36*
	d	8.2	7.30	*18*		f	9.0	7.11	*47*		l	10.5	7.17	*14*	159	a	6.8	6.80	*73*
	e	9.4	8.02	54		g	9.5	7.31	*27*		o	10.5	6.32	*99*		b	9.1	8.50	97
	f	8.8	7.20	*28*	142	a	8.3	8.30	21	152	a	5.5	5.50	*135*		c	7.9	7.72	*01*
	g	8.5	6.55	*93*		b	9.0	8.62	53		b	6.4	6.25	*60*		d	8.9	6.52	*81*
135	a	9.0	9.00	24		c	8.7	7.77	*32*		c	7.5	7.05	20		e	8.8	6.94	*59*
	b	9.2	9.08	32		d	9.5	8.27	18		d	8.6	7.53	68		f	9.9	7.82	29
	c	9.4	8.88	12		e	9.2	7.47	*62*		e	8.8	7.28	43		g	10.5	8.22	69
	d	9.5	8.66	*10*	145	b	7.7	7.70	102		f	9.7	7.50	65		h	10.5	7.72	19
	e	9.4	8.31	*45*		c	7.4	7.05	37		g	10.2	7.52	67	160	a	8.0	8.00	26
	f	9.8	8.61	*15*		d	7.3	6.60	*08*		h	9.5	6.22	*63*		b	8.0	7.65	*09*
136	a	9.0	9.00	62		e	8.5	7.28	60		k	10.5	6.82	*03*		c	8.1	7.57	*17*
	b	9.0	8.92	54		f	8.8	7.06	38	153	a	8.0	8.00	19	161	a	7.4	7.40	*30*
	c	9.2	8.90	52		g	8.3	6.14	*54*		b	8.0	7.78	*03*		b	8.2	7.72	02
	d	9.0	8.40	02		h	8.7	6.14	*54*		c	9.0	8.50	69		c	8.6	7.80	10
	e	9.3	8.05	*33*		k	9.7	6.69	01		d	9.0	8.10	29		d	8.2	7.38	*32*
	g	9.5	8.03	*35*		l	9.6	6.14	*48*		e	9.5	8.15	34		e	9.3	8.00	30
	k	9.4	7.36	*102*		m	9.8	6.04	*64*		f	9.1	7.35	*46*		f	9.5	7.90	20
137	e	6.9	6.90	04	146	a	9.5	9.50	84		g	9.5	7.63	*18*	162	a	7.8	7.80	37
	f	7.5	7.08	22		b	8.5	8.20	*46*		h	9.1	6.95	*86*		b	9.0	8.18	75
	g	7.8	7.16	30		c	9.5	8.80	14	154	a	9.0	9.00	52		c	8.4	7.48	05
	h	9.0	7.56	70		d	9.0	8.12	*54*		b	8.6	8.15	*33*		e	9.0	7.58	10
	k	8.9	7.08	22	147	a	7.7	7.70	21		c	9.7	9.00	52		h	9.2	6.15	*128*
	l	9.5	7.23	37		b	8.0	7.65	16		d	9.5	8.45	*03*	163	a	8.5	8.50	42
	m	9.0	6.35	*51*		c	8.0	7.03	*46*		f	9.9	8.15	*33*		b	7.8	7.60	*48*
	n	9.0	6.07	*79*		d	8.7	7.43	*06*		g	10.2	8.13	*35*		c	8.8	8.32	24
	o	9.5	6.27	*59*		e	9.0	7.31	*18*	155	a	7.8	7.80	46		d	9.1	8.24	16
138	a	R	R	*180*		f	9.8	7.66	17		b	7.9	7.32	*02*		e	9.4	8.12	04
	b	R	8.95	28		g	10.0	7.58	09		d	9.0	7.54	20		f	9.8	8.20	12
	c	R	8.45	*22*		h	10.2	7.53	04		f	8.8	6.72	*62*		g	9.4	7.55	*53*
	d	R	8.50	*17*	148	a	9.2	9.20	49	156	a	8.5	8.50	70	164	a	8.0	8.00	16
	e	R	8.63	*04*		b	8.8	8.55	*16*		b	9.0	8.62	82		b	7.6	7.38	*46*
	f	R	8.60	*07*		c	9.6	9.00	29		c	8.5	7.70	*10*		c	9.0	8.30	46
	g	R	8.58	*09*		e	10.0	8.85	14		d	9.4	8.08	28		d	8.8	7.88	04
	h	R	8.79	12		f	10.0	8.63	*08*		e	9.6	8.18	38		e	8.8	7.63	*21*
	k	R	8.70	03		l	10.0	8.03	*68*		f	9.5	7.76	*04*	165	a	7.4	7.40	*05*
	l	R	R	*78*	149	a	8.8	8.80	*23*		g	9.3	7.34	*46*		b	8.1	8.08	68
	m	R	8.65	*02*		b	9.9	9.52	49		h	9.5	7.26	*54*		c	7.3	6.60	*85*
	n	R	8.76	09		c	10.2	9.37	34		k	10.0	7.51	*29*		d	7.0	6.05	*140*
	o	R	8.95	28		d	10.2	9.02	*01*		l	10.0	7.01	*79*		e	8.7	7.47	02
	r	R	8.47	*20*		e	10.5	9.12	09	157	a	8.1	8.10	36		f	9.5	7.77	32
139	b	6.5	5.85	*68*		h	10.5	8.37	*66*		b	8.8	8.32	58		g	10.2	8.29	84
	c	8.7	7.65	112	151	a	5.0	5.00	*231*		c	8.1	7.37	*37*		h	9.9	7.69	24

Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.
165	k	9.7	7.41	*04*	174	b	9.0	8.52	44	183	d	8.5	7.85	53	192	b	9.3	8.70	27
	l	10.2	7.71	26		c	9.0	8.32	24		e	8.8	7.90	58		c	9.8	8.82	39
	m	10.2	7.53	08		e	9.0	7.96	*12*		f	9.1	7.55	23		d	9.7	8.54	11
166	a	8.5	8.50	27	175	a	7.9	7.90	50		g	9.1	7.15	*17*		e	9.9	8.32	*11*
	b	9.0	8.42	19		b	8.0	7.75	35		h	9.5	7.25	*07*		f	9.5	7.97	*46*
	c	8.8	7.94	*29*		c	8.8	8.15	75		k	9.5	6.97	*35*		g	10.0	7.99	*44*
	d	9.5	8.29	06		d	9.1	7.83	43		l	9.3	6.52	*80*	193	a	5.2	5.20	*161*
	e	9.5	7.99	*24*		e	9.3	7.53	13		n	9.8	6.27	*105*		b	7.2	6.85	04
167	a	6.6	6.60	*61*		f	9.1	7.25	*15*	184	a	9.1	9.10	21		c	8.6	7.50	69
	b	8.5	7.55	34		g	9.5	7.05	*35*		b	9.0	8.72	*17*		d	8.9	7.38	57
	c	8.5	7.05	*16*		h	9.5	6.90	*50*		c	9.7	9.00	11		e	8.5	6.48	*33*
	d	9.5	7.63	42		k	9.5	6.80	*60*		d	9.7	8.82	*07*		f	9.7	7.43	62
168	a	9.0	9.00	76		l	9.8	6.82	*58*		e	10.5	9.60	71	194	a	7.0	7.00	*53*
	b	8.5	8.02	*22*	176	a	9.0	9.00	*25*		f	9.3	8.12	*77*		b	7.5	7.00	*53*
	e	9.0	7.69	*55*		b	9.3	9.12	*13*	185	a	8.5	8.50	67		c	9.5	8.20	67
169	a	8.5	8.50	*42*		c	9.7	9.27	02		b	7.2	6.78	*105*		e	9.5	7.92	39
	b	8.6	8.38	*54*		d	10.5	9.65	40		c	9.0	8.00	17	195	a	9.5	9.50	52
	c	9.8	9.08	11		e	10.5	9.23	*02*		d	9.5	8.10	27		b	9.0	8.78	*20*
	d	10.2	9.53	61	177	a	6.1	6.10	*44*		e	9.5	7.75	*08*		c	9.0	8.73	*25*
	e	10.5	9.38	46		b	7.3	6.62	08	186	a	7.9	7.90	*16*		d	9.5	8.98	00
	f	10.5	9.30	38		c	7.1	5.94	*60*		b	9.0	8.40	34		e	9.9	9.26	28
	g	10.2	8.75	*17*		d	8.6	6.99	45		c	9.0	7.88	*18*		f	9.9	9.04	06
	h	10.2	8.45	*47*		e	8.9	6.71	17	187	a	8.0	8.00	49		g	10.5	9.34	36
170	a	7.2	7.20	13		f	9.3	6.63	09		b	8.2	7.58	07		h	9.5	8.19	*79*
	b	8.0	7.62	55		g	10.0	6.78	24		c	8.0	6.96	*55*	196	a	7.5	7.50	*92*
	c	8.0	7.54	47	178	a	8.9	8.90	58	188	a	7.0	7.00	*27*		b	8.8	8.60	18
	d	7.8	7.06	*01*		b	8.3	7.90	*42*		b	8.3	7.88	61		c	9.7	9.15	*73*
	g	9.0	7.19	12		c	9.3	8.62	30		c	7.3	6.63	*64*		d	9.5	8.77	35
	h	9.0	6.61	*46*		d	9.3	8.40	08		d	8.6	7.61	34		f	9.7	8.07	*35*
	l	9.0	6.29	*78*		e	9.6	8.35	03		e	7.7	6.43	*84*	197	a	8.1	8.10	42
171	a	9.0	9.00	65		f	9.8	8.20	*12*		f	8.8	7.41	14		b	8.5	7.92	24
	b	8.5	8.30	*05*		g	9.8	7.85	*47*		g	9.7	7.96	69		c	8.6	7.40	*28*
	c	8.8	8.32	*03*	179	a	7.5	7.50	*12*	189	a	8.3	8.30	112		d	9.3	7.55	*13*
	e	9.0	7.77	*58*		b	8.1	7.80	18		b	7.0	6.48	*70*		e	9.9	7.55	*13*
172	a	8.3	8.30	60		c	8.3	7.62	00		c	7.3	6.48	*70*		f	10.5	7.57	*11*
	b	8.4	8.10	40		d	9.0	7.94	32		d	9.0	7.66	48	198	a	8.6	8.60	33
	c	8.6	7.88	18		e	9.1	7.49	*13*		e	9.0	7.24	06		b	8.9	8.60	33
	d	9.1	7.93	23		g	9.9	7.66	04		f	9.2	6.92	*26*		c	9.0	7.98	*29*
	e	9.2	7.61	*09*		h	9.9	7.41	*21*		g	9.8	7.20	02		d	9.3	8.16	*11*
	f	9.0	6.99	*71*		l	10.5	7.58	*04*	190	a	7.8	7.80	48		e	9.5	8.06	*21*
	h	10.0	7.11	*59*	181	a	9.3	9.30	85		b	7.5	7.10	*22*		f	9.7	8.16	*11*
173	a	9.0	9.00	09		b	8.7	8.04	*41*		c	8.3	7.50	18		h	10.5	8.66	39
	b	9.7	9.52	61		c	9.5	8.28	*17*		d	8.2	7.10	*22*		l	10.5	7.96	*31*
	c	9.3	9.04	13		d	9.9	8.18	*27*		e	8.2	6.72	*60*	200	a	8.7	8.70	05
	d	9.6	9.29	38	182	a	8.0	8.00	42		f	9.1	7.27	*05*		b	9.0	8.70	05
	e	9.6	8.99	08		b	8.0	7.65	07		g	10.0	7.72	40		c	9.0	8.68	03
	f	9.5	8.69	*22*		c	7.8	7.10	*48*	191	a	7.6	7.60	50		d	9.1	8.63	*02*
	g	10.0	8.71	*20*	183	a	7.0	7.00	*32*		b	7.4	6.80	*30*		e	9.1	8.58	*07*
	k	10.0	8.06	*85*		b	8.7	8.35	108		c	8.0	6.90	*20*		f	9.5	8.60	*05*
174	a	7.5	7.50	*58*		c	8.3	7.67	35	192	a	8.7	8.70	27	201	a	7.7	7.70	*30*

Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.	Var.	Des.	Magn.	Diff.	Res.
201	b	8.6	8.17	17	207	e	9.0	7.88	*17*	211	k	10.0	6.50	*76*	217	a	7.5	7.50	21
	c	9.3	8.36	36		f	9.0	7.78	*27*	212	a	8.8	8.80	62		b	7.5	7.15	*14*
	d	9.5	8.10	10		g	9.5	8.10	05		b	8.5	8.25	07		c	6.5	6.07	*122*
	f	9.8	7.65	*35*		h	10.2	8.48	43		c	8.3	7.80	*38*		d	7.7	7.05	*24*
202	a	8.6	8.60	37		k	9.7	7.70	*35*		d	9.0	8.10	*08*		e	8.1	6.75	*54*
	b	9.0	8.70	47		m	10.5	7.78	*32*		e	9.5	8.32	14		f	9.9	8.10	81
	c	9.0	8.65	42	208	a	7.6	7.60	*38*		g	9.5	7.82	*36*		g	9.3	7.28	*01*
	d	9.2	8.23	00		b	8.5	8.22	24	213	a	8.1	8.10	*03*		h	10.2	7.93	64
	e	9.0	7.83	*40*		c	9.1	8.27	29		b	9.1	8.82	69		k	10.5	7.78	49
	f	9.0	7.58	*65*		d	8.7	7.52	*46*		c	8.7	7.97	*16*	218	a	9.1	9.10	*15*
	g	9.5	8.03	*20*		e	9.5	8.20	22		d	9.0	8.15	02		b	9.5	9.40	15
203	a	9.0	9.00	18		f	9.7	7.90	*08*		e	9.5	8.25	12	219	a	7.0	7.00	*25*
	b	9.0	8.90	08		g	10.2	8.12	14		f	9.9	8.17	04		b	7.5	7.22	*03*
	d	9.7	8.95	13	209	a	7.6	7.60	31		g	9.1	7.32	*81*		c	7.0	6.47	*78*
	f	9.9	8.42	*40*		b	8.1	7.70	41		h	10.5	8.27	14		d	7.7	6.85	*40*
204	a	7.7	7.70	36		c	7.8	7.18	*11*	214	a	8.0	8.00	24		e	9.0	7.63	38
	b	7.4	6.98	*36*		d	8.7	7.56	27		b	7.0	6.85	*91*		f	9.5	7.98	73
	c	8.5	7.58	24		e	9.1	7.71	42		c	8.9	8.17	41		g	9.2	7.58	33
	d	9.1	7.96	62		f	9.2	7.41	12		d	8.1	7.19	*57*	220	a	6.3	6.30	*128*
	e	9.6	8.01	67		g	9.2	7.16	*18*		e	8.9	7.77	01		b	8.5	7.78	20
	f	9.4	7.41	07		h	9.5	7.21	*08*		f	9.5	8.12	36		c	9.3	8.40	82
	g	9.6	7.19	*15*		k	9.7	6.96	*33*		g	9.3	7.67	*09*		d	9.1	7.82	24
	h	9.9	7.19	*15*		l	10.0	6.98	*31*		k	10.5	8.19	43		e	8.7	7.34	*24*
	k	9.8	6.74	*60*		m	10.0	6.68	*61*		m	10.5	7.86	10		f	9.3	7.59	01
	l	10.0	6.62	*72*	210	a	9.0	9.00	34	215	a	7.3	7.30	*57*		g	10.5	8.17	59
205	a	7.4	7.40	38		b	9.3	8.92	26		b	8.7	8.45	58		l	9.9	7.22	*36*
	b	7.0	6.70	*32*		c	9.7	9.07	41		c	8.9	7.97	18	221	a	8.5	8.50	*46*
	c	7.4	6.58	*44*		d	9.3	7.95	*71*		d	9.3	7.72	*12*		b	9.5	9.02	06
	d	8.5	7.36	34		e	10.5	8.93	27		e	9.8	7.80	*04*		c	10.5	9.70	74
	e	8.6	7.04	02		f	9.9	8.11	*55*	216	a	6.5	6.50	*12*		f	10.5	8.62	*34*
206	a	8.4	8.40	50	211	a	8.3	8.30	104		b	5.3	5.20	*14*	222	a	8.7	8.70	104
	b	8.4	7.80	*10*		b	8.3	7.80	54		c	6.8	6.42	*20*		b	8.2	7.62	*04*
	c	8.5	7.48	*42*		c	8.3	7.42	16		d	7.7	6.74	12		c	8.5	7.50	*16*
	d	8.9	7.90	00		d	8.5	7.22	*04*		e	8.9	7.84	72		d	7.5	6.40	*126*
207	a	8.1	8.10	05		e	8.9	7.20	*06*		f	8.9	6.59	*03*		e	9.3	8.18	52
	b	8.3	8.18	13		f	9.4	7.25	*01*		g	9.3	6.97	35		f	8.8	7.16	*50*
	c	8.7	8.38	33		g	9.6	6.97	*29*		h	9.5	6.79	17		h	10.2	8.03	37
	d	9.0	8.13	08		h	9.8	6.72	*54*		k	10.2	6.99	37					

REMARKS.

95. See page 93.

138. In deriving the zero of magnitude the measures made with the 12-inch Meridian Photometer were used. These are 6.87, 9.45, 9.35, 9.62, 9.85, 10.02, 10.08, 10.71, 10.70, 10.17, 11.28, 11.54, 12.18, and 12.77. The magnitudes of star a, 6.87, and of l, 10.17, were not used in deriving the mean. The discordance is probably due to color.

145. Star a is double, and was not used in deriving the magnitude.

The plates used in determining the positions and magnitudes of the comparison stars are given in Table V. The number of the variable is given in the first column, and the designation of the plate from which the positions of the comparison stars were derived, in the second. Photographs taken with the 24-inch Bruce, 8-inch Bache, and 8-inch Draper Telescopes are indicated by the letters A, B, and I, respectively. The designation of the faintest star measured is given in the third column. The fourth column contains the designations of the plates used in determining the magnitudes. When a number is repeated it denotes that the plate was remeasured. This was necessary in some of the early work, since at that time the number of plates available was small. The fifth column contains the constant used in deriving the magnitudes. It is therefore the adopted magnitude of star a, and is equal to the mean of the differences given in the fourth column of Table IV. The sixth column indicates the scale used in measuring the brightness of the stars. Three scales were cut from Plate B 2185, described on page 2. Scale A contains the images of + 15° 625, magn. 5.0 and + 15° 624, magn. 7.7. The brightest image of the first star was called magnitude 2.0, and that of the second star, magnitude 5.0. All comparisons with the first star were diminished by 0.3, to reduce them to the scale of the second star. This was equivalent to calling the magnitudes 1.7 and 5.0. Scale B contains images of + 15° 637, magn. 5.0, and + 15° 640, magn. 7.5. The magnitudes of the brightest images were assumed to be 1.6 and 5.0. Scale C contains images of + 17° 714, magn. 4.8, and + 17° 722, magn. 8.0. The magnitudes of the brightest images were assumed to be 1.3 and 5.0.

When stars were added to the sequence, or when more than four plates were measured, additional lines are inserted in the Table. The stars added are indicated in the third column. Thus for variable No. 1, the first line relates to stars a to m, and the second to stars n to r.

TABLE V.

PLATES USED IN REDUCTIONS.

No.	Positions.	Let.	Magnitudes.	Con.	Sc.	No.	Positions.	Let.	Magnitudes.	Con.	Sc.
1	B11913	m	B 4126,B10205,B11913,B14165	7.04	A	40	B10527	m	B10527,B15228,B17936,B20601	7.70	A
"	B20623	r	B16331,B16988,B17265,B20623	. .	.	41	B10903	o	I 873,B10530,B10903,B13013	8.36	A
2	B 5734	o	B 4518,B 5734,B 6737,B10570	6.29	A	42	B27238	p	I 8059,I 17063,B27011,B27238	7.18	C
3	B14784	l	B 5716,B 5716,B 5788,B 5788	8.14	A	43	B26984	t	B18049,B24321,B25051,B26984	8.22	C
	"	n	B 5716,B14784,B19154,B20578	. .	.	44	B15231	p	I 301,I 8037,B 9127,B15231	7.80	A
4	B 5706	m	B 5706,B10007,B11649,B17014	8.75	A	45	I 28485	n	I 8305,I 14875,I 24241,I 28485	8.37	C
5	B16837	q	B 9808,B10292,B16837,B20678	7.63	C	46	I 14850	m	I 3092,I 5549,I 13965,I 14850	7.63	B
6	I 9280	l	I 2560,I 7823,I 11727,I 14617	8.48	B	47	I 2525	m	I 2525,I 5831,I 6034,I 8209,	8.63	A
7	B 1979	m	I 2293,I 2560,I 2856,I 3186	8.63	A				I 8246		A
8	B18070	q	B 5757,B14130,B18070,B20105	8.82	B	48	B18021	n	B12983,B15129,B15286,B18897	8.96	B
"	B14130	u	B 5757,B14130,B18070,B20105	. .	.	49	B21264	o	B18087,B21264,B22637,B24991	8.18	C
9	B14993	n	B 5652,B14129,B14334,B14337	8.16	A	50	B24965	t	B18020,B19358,B22626,B24965	8.33	C
10	B23950	r	B 5757,B22384,B23950,B26601	7.44	C	51	I 12620	k	I 3319,I 5662,I 12620,I 12629,	8.10	A
11	I 2235	k	I 2005,I 2235,I 5308,I 7824	7.28	C				I 12737		A
12	B23738	n	B17187,B23738,B24180,B24389	7.63	B	52	B13557	m	B 5078,B 9189,B13557,I 15097	7.40	A
13	B14505	s	B10652,B13834,B14505,B14993	8.25	C	53	B26682	o	B 7815,B18747,B24946,B26682	7.80	C
14	B16336	m	B 4087,B 4182,B 4555,B 5691	5.33	A	54	B 5250	e	B 5250,B 8982,B10462,B10658	8.22	A
	"	p	B10652,B15278,B16336,B18035	. .	.	55	I 19780	n	I 16783,I 19756,I 19780,I 22707	6.91	B
15	B12613	o	I 7722,B11955,B12613	8.75	A	56	B19066	o	B10658,B11171,B15536,B15930	7.95	A
16	I 5799	k	I 5799,I 12022,I 13575,I 17008	9.88	C		"	r	B15536,B15930,B19066,B21426	. .	.
17	B24017	r	B14574,B22198,B24017,B24508	7.60	B	57	B24994	o	B10996,B15842,B19547,B24994	7.98	C
18	B14435	o	I 7850,B14435,I 16340,I 22158	7.24	C	58	A 3028	s	B12908,B16249,B22780,B24968,	7.48	C
19	B11935	l	B11882,B11882,B11935,B11935	6.70	A		"		B25151,A 3028		.
20	B14570	l	B11934,B14570,B14626,B18103	8.01	A	59	B21557	p	B 9479,B10644,B16301,B21557	8.61	B
21	B12482	p	B12482,B14535,B17894,B18473	7.14	A	60	B16379	m	B 9291,B10836,B16042,B16379	8.84	A
22	B12725	o	B 4493,B12725,B15488,B16822	6.86	A	61	B 9514	n	B 9514,B13198,B22059,B22912	8.29	C
23	B 4290	m	B 4290,B14609,B14842,B18796	7.57	A	62	B 9479	u	B 9294,B 9479,B10924,B11141	7.47	A
24	I 12464	l	I 12511,I 12511,B12464,B12464	6.97	A	63	B 9294	n	B 9294,B10882,B11141,B15212	8.29	A
25	B10677	n	B10334,B10677,B12166,B14681	8.48	A	64	B 9263	m	B 9194,B 9263,B 9711,B11176,	7.49	A
26	B10677	r	B10677,B12687,B17541,B23999	8.57	B				B13567		A
27	B14771	o	B10678,B12489,B14586,B14771	7.23	A	65	B 9704	p	B 9350,B 9350,B 9704,B13202,	7.41	A
28	B17701	h	B10273,B12324,B15008,B17701	7.94	A				B13564		A
29	B17164	k	B10898,B14805,B14827,B14828	7.64	A	66	B18807	m	B15910,B16045,B16474,B18807	6.24	A
30	B18248	p	B14418,B18248,B18623,B19424	6.92	B	67	B18807	m	B15910,B16045,B16474,B18807	6.24	A
	"	s	B 9123,B14418,B18248,B20632	. .	.	68	B13291	m	B13291,B21845,B23262,B24668	8.35	B
31	I 5511	n	I 5511,I 10323,I 10892,I 14320	8.80	B	69	B13173	p	B12911,B13173,B13522,B15520	7.68	A
32	I 14321	l	I 5423,I 5536,I 5759,I 14321	7.50	A	70	B 9516	r	B13205,B13255,B13480,B22991	7.84	A
33	I 127	r	I 127,I 5736,I 5861,B10942	7.99	A	71	B30271	o	B18935,B27227,B29714,B30271	8.54	C
34	B20635	o	B 7053,B17932,B20635,B24658	7.68	C	72	I 10491	k	I 5601,I 10491,B13294,B13655	7.55	A
35	B24201	p	I 129,B12498,B22371,B24201	7.43	C	73	B13563	q	B11196,B13563,B22685,B23397	7.30	C
36	I 14870	p	I 5501,I 8299,I 10562,I 14870	7.67	C	74	B13563	q	B11196,B13563,B22685,B23397	7.30	C
37	B17705	n	B12498,B14776,B14968,B17705	9.02	C	75	I 17952	o	B13929,B16595,I 17952,B19835	7.29	C
38	B12338	m	B 4631,B10338,B12338,B12338	7.66	A	76	B 3543	l	B 3543,B13569,B16221,B19286	9.00	A
	"	o	B12338,B19039,B21353,B23006	. .	.	77	B 3788	k	B 3788,B 5403,B 9362,B16269	6.70	C
39	I 14647	m	I 848,I 5165,B15081,I 14647	8.85	A	78	B16268	n	B 9641,B10925,B16253,B16268	7.71	A

No.	Positions.	Let.	Magnitude.	Con.	Sc.
79	B13965	q	B 5305,B 9721,B13482,B13965	7.23	A
80	B23266	m	B11235,B18083,B20036,B23266	7.83	C
81	I 17954	n	I 3496,I 10793,I 10824,I 17954	9.54	A
82	B 6066	h	B 6066,B 9196,B 9538,B11239	8.63	A
83	B25719	p	B 5310,B15886,I 16062,B25719	7.48	C
84	I 6625	n	I 1179,I 3619,I 6288,I 6321,	7.24	A
	"		I 6413,I 6431,1 6456,I 6482,		A
	"		I 6505,I 6625		A
	"	r	I 6625,B23864,B23869,I 27118		A
85	B 9537	n	B15917,B18682,B19306,B23872	8.13	C
86	B11459	l	B 9910,B11459,B11586,B17661	8.10	B
87	A 2645	n	B 6403,B 6403,B 6876,B 6876,	8.52	A
	"		B 9671,B 9671,B11272,B11272,		A
	"	t	A 2645,A 2657		.
88	A 2645	n	B 6403,B 6403,B 6876,B 6876,	8.52	A
	"		B 9671,B 9671,B11272,B11272,		A
	"	t	A 2645,A 2657		.
89	B16185	m	B11409,B14024,B16185,B19412	8.77	C
90	B 6341	o	B 6341,B11157,B11555,B13210	6.60	A
91	B16876	n	B11157,B16226,B16876,B17117	7.74	A
92	B13350	s	B 3485,B13350,B14349,B15406	8.77	B
93	B 3874	l	B 3737,B 3794,B 3795,B 3874	8.18	A
94	B23047	s	B20352,B23047,B25865,B28402	8.14	C
95	R		.. ..	..	A
96	B 9983	m	B 9982,B 9983,I 12971,I 12992,	8.30	A
			I 12998		A
97	I 12767	k	I 826,I 12738,I 12767,I 12789,	7.98	A
			I 12904,I 12915		A
98	I 6524	n	I 6524,I 14926,B16490,B14031	7.06	A
99	B13978	o	B 3742,B13978,B16107,B16357	8.52	C
100	B 9160	s	B 6081,B 9160,B11801,B15865	7.60	C
101	B27075	r	B 3742,B16107,B23469,B27075	8.25	C
102	B13527	p	B 9160,B11848,B13527,B16281	8.77	B
103	B11466	q	B11466,B11850,B16360,B20395	7.74	C
104	B13529	u	B 3530,B13529,B17583,B19438	7.76	A
105	B 5989	o	B 5989,B 7671,B 7672,B10059	6.98	A
106	B17430	m	B13492,B17430,B19164,B19368	8.78	A
107	B30105	s	B16779,B17178,B19440,B30105	7.91	C
	A 1905	w	B17077,B17234,B30287,B30339		.
108	B13532	p	B 3728,B 5476,B 5487,B 5658,	8.13	A
			B13532		A
109	B10216	n	B 5959,B 6753,I 8922,B 9155,	7.18	A
	"		B10216		A
	"	o	B 9155,B10216,B20353,B27967		.
110	B 3851	r	B13972,B15825,B27078,B27107	9.02	C
111	B22882	o	B 3776,B 3920,B22882,B25664	6.46	C
	B31991	q	B25664,B30999,B31950,B31991		.
112	B17442	q	B 9647,B11632,B17442,B19111	7.02	A
113	B 5394	o	B 5393,B 5394,B 5394,B 6877,	8.24	A
	"		B 9407,B11345		A
	B 5394	p	B 5394,B16228,B27911,B32058		.
114	B13501	o	B 5967,B 9405,B 9556,B13501	8.78	A
115	B17534	n	B17534,B19113,B19217,B19444	8.79	B
116	B17079	o	B12962,B14509,B15990,B17079	7.52	A
117	B19082	r	B19082,B19113,B19217,B19444	8.53	C
118	B23660	o	B22792,B23660,B25121,B27157	8.09	C
119	B13576	p	B 5311,B11418,B13576,B17452	7.48	A
120	B23481	s	B 5963,B 9408,B13750,B23481	8.06	B
121	B11633	q	B11633,B13750,B17452,B25423	8.08	C
122	B30644	o	B14039,B16518,B22510,B30644	7.76	C
123	B14040	t	B14040,B14495,B25343,B30362	7.29	C
124	B29763	o	B17712,B25432,B27497,B29763	7.08	C
125	B22479	q	B14546,B19577,B22479,B23969	8.56	C
126	B28620	m	B 9852,B19327,B23282,B28620	8.80	C
127	B21920	s	B14047,B21282,B21920,B23060	8.12	B
128	B14498	r	B 9855,B 9882,B13535,B13581	7.12	A
129	B13582	q	B13582,B14047,B17710,B23060	9.53	B
130	B27447	u	B14044,B19243,B25391,B27447	7.58	C
131	B14498	p	B 3834,B 9696,B10037,B14498	7.31	A
132	I 25323	o	I 6631,I 8816,I 16092,I 25323	8.81	C
133	B11789	t	B11789,B19086,B19449,B27445	8.50	C
134	B29575	p	B 8470,B12545,B23345,B29575	7.48	C
135	B29575	q	B 8470,B12545,B23345,B29575	8.76	C
136	B19512	u	B19512,B22705,B23502,B23759	8.38	C
137	B23759	γ	B23759,B23759,A 2845,A 2845,	6.86	R
	"	d	AC1462AC2778AC3702AC3825		C
138	A 6506	α	I 12674,I 15256,B19089,I 31860,	8.67	C
			A 6506,A 6506		.
139	B13539	r	B13539,B20604,B22745,B27484	6.53	C
140	B23852	s	B19583,B23065,B23852,B25399	7.58	C
142	B18969	n	B 4028,I 12980,I 13484,B13591	8.09	A
	"	q	B 4028,B18731,B18969,B22798		A
145	B 3843	r	B 3843,B 5238,B10043,B14090	6.68	A
	"	t	B 3843,B18970,B19510,B19975		.
146	A 2599	s	B 3730,B17264,B23851,B29581	8.66	C
	B 3843	R	.. ..		.
147	B16366	p	B16366,B20561,B23111,B24344	7.49	B
148	B12548	o	B12548,B19694,B22036,B31810	8.71	C
149	I 25275	p	I 15721,I 20288,I 232642,I 25275	9.08	C
151	B23450	u	I 8899,B17688,B23365,B23450	7.31	C
	A 6012	y	A 6012		.
152	I 16108	p	I 16108,I 16398,I 23191,I 23192	6.85	B
153	B17869	n	B 9886,B15045,B17869,B28660	7.81	C
154	I 4015	l	I 2160,I 3757,I 4015,I 18927,	8.48	A
	"	n	I 3757,I 4015,I 30650,I 30725		.
155	B 5313	r	B 5313,B11566,B11603,B14252	7.34	A
156	B 9217	n	B 9217,B14402,B21721,B23081	7.80	C
157	I 15328	m	I 8735,I 11472,I 15182,I 15328	7.74	C
158	B24381	t	B13667,B17693,B22075,B24381	8.90	C
159	I 9359	p	I 7002,I 9359,I 20279,I 27495	7.58	C

No.	Positions.	Let.	Magnitude.	Con.	Sc.	No.	Positions.	Let.	Magnitude.	Con.	Sc.
160	B20291	n	B16234,B19456,B19696,B20291	7.74	C	192	A 4619	w	B10062,B16812,B26259,B31778	8.43	C
161	B19090	r	B10940,B16112,B17727,B19090	7.70	C	193	I 27783	n	I 4656,I 7254,I 7402,I 9725	6.81	B
162	B 3579	n	B 3579,B14402,B17835,B18790	7.43	C		«	q	I 9725,I 16688,I 16763,I 27783		.
163	B13730	n	I 11189,B 7680,B 9859	8.08	A	194	B 8720	m	B 6564,B 8720,B 9919,B10190	7.53	A
164	B10940	q	B 9863,B10940,B17509,B19727	7.84	C	195	I 16264	s	I 4284,I 7097,I 16264,I 21560	8.98	C
165	A 2121	u	I 7089,I 9038,I 18624,I 33465	7.45	C	196	I 18560	p	I 18560,I 18609,I 19319,I 19341	8.42	C
166	B14501	n	B13265,B13543,B14501,B19978	8.23	A	197	I 19379	l	I 1681,I 4282,B 6314,B10500	7.68	C
167	B12142	o	B 3731,B 4081,B 9219,B12142	7.21	A		«	o	I 4282,B 6314,B10500,I 19379		.
«	B25534	s	B25534,B25534,B29484,B35959		.	198	I 18856	w	I 6989,I 7401,I 18856,I 27553	8.27	C
168	B13267	o	B 9926,B10461,B11968,B13267	8.24	A	200	B24383	p	B16338,B20770,B24383,B30157	8.65	C
169	I 22999	l	I 8880,I 22982,I 22999,I 23010	8.92	C	201	B10299	l	B 6327,B 6327,B 6321,B 6327,	8.00	A
170	B16147	u	B16147,B16657,B19224,B19490	7.07	C		«		B 6327,B10299,B10299		.
171	B23823	t	B20572,B23823,B23879,B25450	8.35	B		«	p	B10299,B15192,B23257,B23729		.
172	B16809	l	B 9242,B13901,B16645,B16809	7.70	A	202	B17973	q	I 4820,B11822,B17973,B20773	8.23	C
173	B32548	o	B22934,B23879,B29888,B32548	8.91	C	203	B 5678	q	B 5678,B10299,B15192,B16208	8.82	C
174	B19519	p	B 5778,B11764,B19519,B20572	8.08	B	204	B10318	m	B 6601,B10318,B13723,B13953	7.34	A
175	B20691	p	B17561,B17718,B20691,B26059	7.40	C	205	B 3847	p	B 3847,B11258,B14265,B14938	7.02	A
176	A 5384	q	I 13049,I 13424,I 18928,I 22897	9.25	C	206	B20335	p	B16742,B20335,B24159,B30670	7.90	C
	«	s	A 5384		.	207	I 15388	u	I 4390,I 7221,I 9276,I 15388	8.05	C
177	B13508	k	B 9243,B 9869,B13508,B13587	6.54	A	208	I 18680	s	I 7019,I 18680,I 34270,I 34271	7.98	C
178	B15022	n	B13006,B14504,B15022,B15049	8.32	A	209	B26066	p	B20702,B26066,B28636,B30209	7.29	C
179	I 33490	t	I 18432,I 19250,I 31166,I 33490	7.62	C	210	I 6956	p	I 2198,I 6956,I 6994,I 8860	8.66	C
181	I 13275	m	I 7028,I 11508,I 13256,I 13275,	8.45	A		I 28200	r	I 17131,I 28200		.
			I 13468		A	211	B14523	m	B11865,B12560,B14308,B14523	7.26	A
182	B19281	q	B13549,I 14201,B14405,B19281	7.58	C	212	B19885	m	B12749,B19885,B23096,B23668	8.18	B
183	B19277	w	B16787,B19096,B19277,B19572	7.32	C	213	I 33392	s	I 13186,I 21567,I 33392,I 33747	8.13	C
184	I 16571	p	I 15906,I 16571,I 18656,I 26023	8.89	C	214	I 33497	s	I 7436,I 16805,I 18824,I 33497	7.76	C
	I 26023	s	I 26023			215	B10308	h	B 9742,B10308,I 12060,I 12562	7.85	A
185	B11792	n	B 6258,B 8532,B11792,B13224	7.88	A	216	I 29533	m	I 21189,I 23965,I 29553,I 31169	6.62	C
186	B11812	k	B10047,B10047,B11812,B11812	8.06	A	217	I 18563	p	I 16234,I 18563,I 28104,I 27381	7.29	C
187	B 5650	o	B 5423,B 5650,B 5650,B 9678,	7.51	A	218	B19585	t	B16620,B16914,B19585,B28468	9.25	C
			B 9678		.	219	B27601	s	B19887,B23943,B27601,B30182	7.25	C
188	I 16173	p	I 13144,I 16173,I 26152,I 27549	7.27	C	220	I 32169	u	I 15662,I 18650,I 28066,I 32169	7.58	C
189	B12551	l	B 6020,B 6552,B10067,B12551	7.18	A	221	I 9379	o	I 424,I 2977,I 5258,I 9379	8.96	A
190	B17913	m	B 6045,B16149,B16722,B17913	7.32	A	222	I 23735	s	I 16806,I 19701,I 21442,I 23735	7.66	C
191	B16719	m	B10050,B13230,B16719,B19354	7.10	A						

REMARKS.

2. On B 4518 the images are poor.

14. On B 4087, B 4182, and B 5691 the images are very poor. On B 4555 the variable is near the edge of the plate.

15. On I 7722 the images are poor.

47. On I 2525 the images are very much elongated.

53. Comparison stars b, c, and d were very difficult to measure on B 7815. The images were near the edge of the plate and were large and defective. They were measured with regard to intensity rather than size.

58. B 16249 is a very poor plate. The images are near the edge and are not comparable with the scale.

65. On B 13202 and B 13564 the images are poor.

75. B 16595 is very poor.

77. On B 3788 the comparison stars are near the edge of the plate, the images elongated, and difficult to compare with the scale.

79. On B 13965 the images are poor.

84. On I 3619 and I 6321 the images are near the edge of the plate and are not comparable with the scale. On I 6413 and I 6456 the images are poor.

89. On B 11409 the images are poor and hazy.

95. See page 93.

96. On I 12998 the images are poor.

100. On B 15865 the images are very poor.

101. On B 3742 the images are elongated.

108. On B 13532 the images are very poor.

110. On B 15825 the images are poor.

113. On B 5393 the images are very poor, and on B 9407, good.

123. On B 25343 the images are elongated, and on B 30362, poor.

136. B 23759 had a long exposure, and the images are elongated.

137. Scale measures were made on B 23759 using scale "C." The images on A 2845 were too large for comparison with this scale. They were accordingly compared with the images of + 23° 516, magn. 4.8, and + 23° 539, magn. 8.0, on Plate X 1090, taken on October 11, 1888, with the 13-inch Boyden Telescope, and having exposures of 810^s, 270^s, 90^s, 30^s, 10^s, and 3^s.

138. Star r is the faintest star visible on the plates taken with the 8-inch telescopes. The sequence was extended to α on Plate A 6506, and the magnitudes of these faint stars depend on two independent estimates of the intervals in brightness on that plate.

145. On B 17264 the image of the comparison star m is defective and could not be measured.

146. See page 95.

149. On I 15721 the images are very poor.

184. On I 26023 the images are poor.

186. On B 11812 the images are poor.

187. On B 5423 the images are elongated.

188. On I 27549 the images are very poor.

197. On B 6314 and B 10500 the images are very poor.

205. On B 3847 the images are elongated.

208. On I 7019 and I 18630 the images are poor.

214. On I 7436 and I 16805 the images are poor.

END OF VOLUME XLVII. PART I.

ANNALS

OF

THE ASTRONOMICAL OBSERVATORY OF HARVARD COLLEGE

VOLUME XLVII—PART II

PHOTOGRAPHIC OBSERVATIONS OF VARIABLE STARS

DURING THE YEARS

1886 TO 1905

FORMING A PART OF

THE HENRY DRAPER MEMORIAL

PREPARED BY

WILLIAMINA P. FLEMING

CURATOR OF ASTRONOMICAL PHOTOGRAPHS

UNDER THE DIRECTION OF

EDWARD C. PICKERING

DIRECTOR OF THE OBSERVATORY

CAMBRIDGE, MASS.
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PHOTOGRAPHIC MAGNITUDES OF 107 VARIABLE STARS OF LONG PERIOD.

THE present work was begun several years ago, under the supervision of Mrs. Fleming. Its completion was delayed, so that for a long time it left a gap in the Annals, many of the subsequent volumes being meanwhile finished. Many of the earlier observations were made by Mrs. Fleming and the greater part of the later ones by Miss S. E. Breslin, while the revision of the work and final preparation for publication were undertaken by Miss M. A. Gill. The original intention was to include observations of the 222 stars for which sequences are given in Part I of this volume. It soon appeared that the material thus collected would fill an entire volume, so it was decided to include only those stars showing marked variations, generally amounting to two magnitudes, or more, and to bring the work up to the end of the year 1905.

The brightness of the variable, on each plate, was determined by comparing it with a brighter and a fainter star in the corresponding sequence in Part I of this volume and estimating the interval in grades, as in Argelander's method for visual observations. These estimates were reduced by assuming a grade equal to a tenth of a magnitude and applying this estimated difference to the photographic magnitude, given in Part I. In Table I, the number of the variable in Part I, its designation in hours and minutes of right ascension and degrees of declination, and the name, are given in the headings of the columns and before the first observation of each variable. For southern stars the designation is placed in Italics. The first column gives the Julian Day omitting the three left hand figures, 241. When this number exceeds 8000, the figures omitted are 240. Ditto marks indicate that the measure was repeated. The year may readily be found by Table II, which gives the Julian Day of January 1, for the years 1886 to 1905. The time of exposure, in minutes, is given in the second column. Italics indicate that an objective prism was used, and that the magnitude was derived from the intensity of the spectra. In all other cases, chart images were compared. The original comparison is given in the third column, the letters referring to the designations of the comparison stars in Part I, and the numbers to the estimated intervals, in grades. When the letter precedes the number, it denotes that the variable was estimated to be fainter than the comparison star; when it follows, the variable was considered to be the brighter. The mean of the resulting magnitudes, and residuals from the mean expressed to hundredths of a magnitude, are given in the fourth and fifth columns. In a few cases, the variable was found to be brighter than the brightest, or fainter than the faintest star in the sequence given in Part I. Additional stars were then selected which will be discussed in Table III. The letter N indicates that the variable was not seen. The faintest comparison star seen is then given with the estimated interval by which it exceeds the faintest star visible on the plate. When the variable is not seen, the magnitude is expressed to tenths only, and is placed in Italics. It then shows the magnitude of the faintest stars appearing on the plate. As indicated on page 2, these magnitudes are probably on a nearly consistent scale, which is subject to a large systematic error, the faintest stars being much fainter than the assumed magnitude would indicate. The initial of the observer is given in the sixth column, F, denoting Mrs. W. P. Fleming; B, Miss S. E. Breslin; L, Miss E. F. Leland. Some additional information is also given in this column regarding these comparisons. The letter d, denotes that the original observation was discordant and on re-examination found to be certainly wrong, so that it has been replaced by the comparison given in the table; e, that the image was near the edge of the plate; i, that an isochromatic plate was used; p, that the plate was poor, showing but few stars, in many cases owing to moonlight, or twilight; r, refers to the Remarks following the table.

As an example, the first observation in Table I relates to V Sculptoris. The designation *000339* indicates that its approximate position for 1900 is R.A. $0^h 3^m$, Dec. $-39°$. The first plate covering the region was taken on J.D. 2,411,248, which is September 2, 1889. The plate had an exposure of 60^m, and the star did not appear on it. The faintest star shown was m, whose magnitude is given on page 5 as 11.41. It was estimated that a star 7 grades fainter, or magnitude 12.1, could be seen. The observer was Mrs. Fleming. The second plate was taken on J.D. 2,411,619, September 8, 1890. The variable was estimated as equal to g, magn. 9.69, also as 3 grades brighter than h, magn. 10.07, or 9.77. The mean of these two is 9.73 and the residuals, -0.04 and $+0.04$. The observer was Mrs. Fleming and the star was near the edge of the plate. The second estimate gave the magnitude 9.68.

TABLE I.

ORIGINAL OBSERVATIONS.

1. *000339*. V Sculptoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1248	60	m 7, N	*12.1*		F
1619	60	g 0, 3 h	9.73	*04*,04	Fe
“	“	g 0, 4 h	9.68	01,*01*	F
1626	60	f 2, 1 g	9.56	*02*,03	F
1965	10	e 6, 0 f, 3 g	9.38	04,*04*, 01	F
1993	11	l 4, 0 m	11.35	*06*,06	F
2292	11	l 4, 1 m	11.30	*01*,01	F
2697	12	m 5, N	*11.9*		F
2734	10	m 5, N	*11.9*		F
2765	10	l 3, 2 m	11.20	*01*,01	F
3055	10	l 2, 3 m	11.10	*01*,01	F
3083	10	f 3, 0 g, 3h	9.70	*06*,*01*, 07	F
“	“	f 5, 0 g, 4 h	9.73	11,*04*, *06*	F
3121	*60*	e 2, 4 f	8.98	04,*04*	F
3143	10	e 5, 0 f, 4 g	9.32	00,02, *03*	F
3145	10	e 5, 0 f, 4 g	9.32	00,02, *03*	F
3385	10	l 1, 4 m	11.00	*01*,01	F
“	“	k 3, 2 l	10.78	09,*09*	F
3394	10	g 2, 1 h	9.93	*04*,04	F
3407	10	e 5, 1 f	9.28	04,*04*	F
3409	10	e 5, 1 f	9.28	04,*04*	F
3420	*120*	f 3, 1 g	9.62	02,*03*	F
“	“	f 3, 2 g	9.56	08,*07*	F
3435	11	h 1, 2 k	10.27	*10*,10	B
“	“	h 2, 3 k	10.27	00,00	B
3435	10	h 1, 3 k	10.22	*05*,05	Br
“	“	g 4, 2 h	9.98	11,*11*	B
3448	*60*	f 4, 0 g	9.72	02,*03*	F
3709	10	e 2, 0 f, 2 g	9.28	*26*,06, 21	B
“	“	e 1, 2 f	9.03	*11*,11	B
3724	17	f 1, 2 g	9.46	*02*,03	B
3730	10	f 1, 0 g	9.56	*12*,13	B
3750	27	g 2, 2 h	9.88	01,*01*	B
3751	16	h 2, 3 k	10.27	00,00	Bd
3754	27	h 3, 1 k	10.42	*05*,05	Bd
3759	11	k 1, 1 l	10.73	*06*,06	B
3762	13	k 1, 1 l	10.73	*06*,06	B
3770	12	m 1, 1 n	11.47	04,*04*	B
3784	12	m 2, 1 n	11.52	09,*09*	B
3798	10	m 2, 2 n	11.47	14,*14*	B
3861	14	n 1, N	*11.6*		B
3946	12	n 1, 1 o	11.62	01,*01*	B
3960	10	m 1, 1 n	11.47	04,*04*	B
4073	10	m 1, 0 n	11.52	*01*,01	B
4085	9	n 2, 1 o	11.67	06,*06*	B
4212	170	q 1, 1 r	12.23	05,*05*	B
4482	11	m 1, N	*11.5*		B
4536	10	k 3	10.87	A	Bp
4574	61	e 2, 3 f	9.03	*01*,01	Be
4578	80	d 3, 2 e	8.62	00,00	B
4583	60	d 2, 3 e	8.52	00,00	B
4585	10	e 1, 1 f	9.08	*16*,16	B
4597	10	e 2, 3 f	9.03	*01*,01	B
4605	10	f 1, 2 g	9.46	*02*,03	B
4617	10	g 1, 2 h	9.83	*04*,04	B
4638	75	h 2, 1 k	10.37	*10*,10	B
4832	10	m 1, 1 n	11.47	04,*04*	B
4835	11	m 1, 2 n	11.42	09,*09*	B
4855	13	h 2, 2 k	10.32	*05*,05	B
4863	76	e 2, 1 f	9.13	*11*,11	B
4865	60	e 3, 2 f	9.13	*01*,01	B
4868	*60*	e 2, 1 f	9.13	*11*,11	B
4868	60	e 3, 2 f	9.13	*01*,01	B
4869	64	e 3, 3 f	9.08	04,*04*	B
4872	67	e 3, 2 f	9.13	*01*,01	B
4874	60	e 2, 3 f	9.03	*01*,01	B
4875	68	e 3, 3 f	9.08	04,*04*	B
4876	12	2 e, 1 f	9.13	*11*,11	B
4877	*75*	e 3, 2 f	9.13	*01*,01	B
4885	10	e 3, 4 f	9.03	09,*09*	B
4891	80	e 2, 2 f	9.08	*06*,06	B
4892	*105*	e 2, 2 f	9.08	*06*,06	B
4892	74	e 4, 2 f	9.18	04,*04*	B
4892	10	e 3, 4 f	9.03	09,*09*	B
4893	*156*	e 2, 1 f	9.13	*11*,11	B
4924	66	g 3, 2 h	9.93	06,*06*	B
4928	11	h 3, 2 k	10.37	00,00	B
4940	11	k 2, 2 l	10.73	04,*04*	B
4951	10	l 1, 2 m	11.10	*11*,11	B
5235	60	h 2	10.27	A	B
5235	66	g 2	9.89	A	Bd
5542	10	m 2, 2 n	11.47	14,*14*	B
5592	10	p 1, 1 q	12.10	03,*02*	B
6015	10	o 2	11.91	A	B
6034	60	h 2, 3 k	10.27	00,00	B
6034	10	k 2, 2 l	10.78	*01*,01	B
6047	61	g 1, 2 h	9.83	*04*,04	B
6060	60	e 3, 2 f	9.13	*01*,01	B
6062	10	e 3, 2 f	9.13	*01*,01	B
6073	62	f 1, 2 g	9.46	*02*,03	B
6086	60	e 2, 1 f	9.13	*11*,11	B
6090	60	f 1, 1 g	9.52	*08*,07	B
6107	61	h 1, 2 k	10.27	*10*,10	B
6118	64	h 2	10.27	A	B
6302	10	o 2, 3 p	11.82	09,*09*	B
6311	10	n 1, 2 o	11.57	06,*06*	B
6321	64	l 2, 2 m	11.15	*06*,06	B
6324	60	k 1, 2 l	10.68	*01*,01	B
6337	60	h 2, 2 k	10.32	*05*,05	B
6340	60	g 2, 3 h	9.83	06,*06*	B
6345	61	f 2, 1 g	9.56	*02*,03	B
6345	60	g 2, 1 h	9.93	*04*,04	B
6345	60	g 3, 2 h	9.93	06,*06*	B
6360	60	f 1, 2 g	9.46	*02*,03	B
6360	63	e 4, 2 f	9.18	04,*04*	B
6360	10	f 1, 2 g	9.46	*02*,03	B
6377	60	e 2, 1 f	9.13	*11*,11	B
6397	60	h 2, 2 k	10.32	*05*,05	B
“	“	g 3, 1 h	9.98	01,*01*	B
6397	60	g 3, 2 h	9.93	06,*06*	B
6402	66	h 3, 3 k	10.32	05,*05*	B
6402	65	h 1, 1 k	10.32	*15*,15	B
6418	56	k 1	10.67	A	B
6436	18	k 3, 2 l	10.78	09,*09*	B
6437	12	k 3, 2 l	10.78	09,*09*	B
6606	60	k 1, 1 l	10.73	*06*,06	B
6634	59	e 2, 2 f	9.08	*06*,06	B
6646	60	e 2, 2 f	9.08	*06*,06	B
6648	60	e 3, 3 f	9.08	04,*04*	B
6652	61	e 2, 3 f	9.03	*01*,01	B
6652	10	e 3, 2 f	9.13	*01*,01	B
6662	10	f 2, 3 g	9.46	08,*07*	B
6663	10	f 2, 2 g	9.52	02,*03*	Be

1. *000339.* V Sculptoris.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6669	60	g 3, 3 h	9.88	*11*,11	B
6683	60	g 2, 3 h	9.83	06,*06*	B
6684	60	g 2, 1 h	9.93	*04*,04	B
6684	60	g 2, 3 h	9.83	06,*06*	B
6694	60	h 2, 3 k	10.27	00,00	B
6695	60	h 1, 2 k	10.27	*10*,10	B
6695	10	h 3, 3 k	10.32	05,*05*	B
6705	60	h 3, 3 k	10.32	05,*05*	B
6711	10	h 2, 2 k	10.32	*05*,05	B
6723	67	l 1, 1 m	11.15	*16*,16	B
6725	60	k 2, 1 l	10.78	*01*,01	B
6992	65	h 2, 2 k	10.32	*05*,05	B
7017	60	k 1	10.67	A	B
7018	10	l 2, 2 m	11.15	*06*,06	B
7019	10	l 2, 2 m	11.15	*06*,06	B
7020	10	l 2, 1 m	11.20	*11*,11	B
7195	15	o 2	11.91	A	B

2. *001032.* S Sculptoris.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1252	10	f 2, 3 g	9.31	*09*,09	F
“	“	e 5, 1 f	8.88	*04*,04	Bd
“	“	e 6, 1 f	8.93	01,*01*	L
1284	10	e 0, 5 f	8.43	*09*,09	F
“	“	e 1, 4 f	8.53	*09*,09	B
1293	16	c 4, 4 d	7.72	07,*08*	F
1304	60	b 5, 2 c	7.28	09,*09*	F
“	“	b 2, 1 c	7.18	*11*,11	B
1305	15	c 1, 5 d	7.52	*03*,02	F
“	“	b 2, 1 c	7.18	*11*,11	B
1336	60	c 2, 5 d	7.56	03,*02*	Fp
“	“	b 6, 0 c, 5 d	7.47	00,*08*, 07	F
“	“	b 2, 1 c	7.18	*11*,11	Bd
1624	60	e 5, 1 f	8.88	*04*,04	F
“	“	e 3, 2 f	8.73	*09*,09	B
1626	60	e 4, 2 f	8.78	*04*,04	F
“	“	e 1, 2 f	8.63	*19*,19	B
1963	10	g 2, 3 h	9.88	02,*03*	F
“	“	g 1, 1 h	9.92	*12*,13	B
1993	10	e 5, 1 f	8.88	*04*,04	F
“	“	e 4, 1 f	8.83	*09*,09	B
1993	10	e 6, 0 f, 5 g	9.05	*11*,*03*, 15	Fp
“	“	f 1, 2 g	9.31	*19*,19	B
1993	10	d 3	8.34	A	Ber
1994	10	f 1, 4 g	9.21	*09*,09	F
1995	12	f 1, 5 g	9.16	*04*,04	F
“	“	f 2, 1 g	9.41	*19*,19	Be
1995	11	e 6, 0 f, 5 g	9.05	*11*,*03*, 15	F
“	“	e 2, 1 f	8.73	*19*,19	B
1995	27	d 3	8.34	A	Be
‥	“	3 f	8.72	A	B
2347	12	e 6, 0 f, 5 g	9.05	*11*,*03*, 15	F
“	“	f 1, 3 g	9.26	*14*,14	B
2672	15	g 3, 2 h	9.98	02,*03*	F
“	“	g 1, 1 h	9.92	*12*,13	Bd
2672	10	g 4, 1 h	10.08	02,*03*	F
“	“	h 1, 2 k	10.38	*13*,12	B
2672	14	g 4, 1 h	10.08	02,*03*	F
“	“	g 1, 1 h	9.92	*12*,13	B
2697	10	e 3, 1 f	8.78	*14*,14	B
2734	10	c 10, 1 e	8.32	07,*08*	Fe
2765	10	a 4, 2 b	6.68	01,*01*	F
“	“	a 2, 1 b	6.63	*14*,14	B
2765	10	a 5, 1 b	6.78	01,*01*	F
“	“	b 2, 1 c	7.18	*11*,11	B
2769	*60*	b 1, 4 c	6.98	*01*,01	F
2769	*60*	b 2, 3 c	7.08	*01*,01	F
2769	*60*	a 7, b 1, 5 c	6.95	04,02, *06*	F
3031	10	g 3, 2 h	9.98	02,*03*	F
3052	10	f 3, 3 g	9.36	*04*,04	F
3121	*60*	c 2, 4 d	7.62	*03*,02	F
3122	10	c 1, 5 d	7.52	*03*,02	F
3145	10	b 2, 2 c	7.13	*06*,06	F
3176	10	c 1, 2 d	7.66	*17*,18	B
3324	10	p 2, 1 q	12.82	00,00	B
3352	10	o 3, 1 p	12.56	04,*04*	B
3383	10	l 5, 0 m, 4 n	11.61	02,*01*, *01*	F
3385	10	m 1, 2 n	11.75	*05*,05	Bd
3406	12	k 3, 1 l	11.02	*02*,01	F
3407	7	k 4, 0 l	11.12	*02*,01	F
3435	10	h 2, 1 k	10.48	*13*,12	B
3443	10	g 2, 1 h	9.98	*08*,07	B
3482	10	e 1, 3 f	8.58	*14*,14	B
3499	10	b 1, 2 c	7.08	*11*,11	B
3504	*95*	b 2, 0 c	7.23	*16*,16	B
3533	18	c 2, 3 d	7.66	*07*,08	Bd
3569	10	d 2, 1 e	8.24	00,00	B
3593	13	f 2, 3 g	9.31	*09*,09	B
3709	10	o 2, 1 p	12.51	*01*,01	B
3724	12	m 1 0 n	11.85	*15*,15	B
3738	24	l 2, 0 m, 1 n	11.61	*28*,*01*, 29	B
“	“	l 3, 1 m	11.46	*03*,04	B
3740	27	k 1, 1 l	10.92	*12*,11	B
3751	24	k 2, 1 l	10.96	*06*,07	Bd
3754	13	k 1, 1 l	10.92	*12*,11	B
3759	16	h 2, 1 k	10.48	*13*,12	Bd
3762	20	h 2, 1 k	10.48	*13*,12	B
3784	19	f 2, 2 g	9.36	*14*,14	B
3798	26	f 2, 2 g	9.36	*14*,14	B
3829	13	d 1, 1 e	8.19	*05*,05	B
3839	20	c 3, 0 d	7.86	*17*,18	B
3840	12	c 1, 1 d	7.72	*23*,22	Be
“	“	c 3, 2 d	7.76	*07*,08	B
3861	28	a 3, 2 b	6.63	*04*,04	B
3876	10	a 1, 2 b	6.53	*14*,14	B
3887	10	a 2, 1 b	6.63	*14*,14	B
3889	14	a 2, 2 b	6.58	*09*,09	B
3891	12	a 2, 1 b	6.63	*14*,14	B
3946	20	e 2, 2 f	8.68	*14*,14	B
3960	18	f 1, 3 g	9.26	*14*,14	B
4045	15	m 1, 1 n	11.80	*10*,10	B
4073	15	n 2, 1 o	12.20	00,00	B
“	“	o 2, 1 p	12.51	*01*,01	B
4147	21	k 2, 1 l	10.96	*06*,07	B
4155	10	h 1	10.25	A	Be
4202	20	e 2, 3 f	8.63	*09*,09	Bd
4232	10	a 2, 1 b	6.63	*14*,14	B
4244	10	b 2, 1 c	7.18	*11*,11	Bd
4462	10	o 3, 0 p	12.61	*01*,01	Bd
4582	99	c 2, 4 d	7.62	*03*,02	B
4597	10	a 2, 2 b	6.58	*09*,09	B
4605	10	b 2, 1 c	7.18	*11*,11	B
4638	10	b 2, 2 c	7.13	*06*,06	B
4863	76	l 1	11.23	A	B
4876	12	h 2, 1 k	10.48	*13*,12	B
4884	10	g 2, 1 h	9.98	*08*,07	B
4891	80	g 1, 2 h	9.88	*08*,07	B
4892	74	f 3, 2 g	9.41	*09*,09	B
4904	24	f 1, 2 g	9.31	*19*,19	B
4924	66	e 3, 1 f	8.78	*14*,14	B
4927	10	e 3, 1 f	8.78	*14*,14	B
4938	73	e 2, 3 f	8.63	*09*,09	B
4939	65	e 2, 3 f	8.63	*09*,09	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
2. *001032.* S SCULPTORIS.						2. *001032.* S SCULPTORIS.						2. *001032.* S SCULPTORIS.					
	m.						m.						m.				
4940	11	e 1, 4 f	8.53	*09*,09	B	6034	60	e 3, 1 f	8.78	*14*,14	B	6712	12	g 2, 2 h	9.92	*02*,03	B
4942	60	e 2, 3 f	8.63	*09*,09	B	6034	60	e 4, 2 f	8.78	*04*,04	B	6715	64	f 1	9.12	A	B
4953	62	c 4, 3 d	7.76	03,*02*	B	6047	61	c 4, 2 d	7.82	*03*,02	B	6715	70	f 3, 2 g	9.41	*09*,09	B
4954	99	c 2, 3 d	7.66	*07*,08	B	6059	60	b 1, 2 c	7.08	*11*,11	B	6723	67	f 2, 2 g	9.36	*14*,14	B
4954	60	c 4, 3 d	7.76	03,*02*	B	6061	10	b 2, 1 c	7.18	*11*,11	B	6725	66	f 1, 2 g	9.31	*19*,19	B
4979	65	a 1, 2 b	6.53	*14*,14	B	6072	62	b 1, 3 c	7.03	*06*,06	B	6725	60	e 3, 2 f	8.73	*09*,09	B
4980	63	b 1, 3 c	7.03	*06*,06	B	6079	60	a 2, 1 b	6.63	*14*,14	B	6727	60	e 4, 1 f	8.83	*09*,09	B
4990	61	b 1, 3 c	7.03	*06*,06	B	6085	60	b 2, 3 c	7.08	*01*,01	B	6733	61	e 4, 3 f	8.73	01,*01*	B
4991	69	b 3, 2 c	7.18	*01*,01	B	6086	62	a 3, 2 b	6.63	*04*,04	Be	6740	60	e 3, 1 f	8.78	*14*,14	B
4994	*168*	b 2, 2 c	7.13	*06*,06	B	6086	60	a 2, 3 b	6.53	*04*,04	B	6740	61	e 4, 2 f	8.78	*04*,04	B
5011	14	b 2, 1 c	7.18	*11*,11	Bde	6090	60	a 2, 1 b	6.63	*14*,14	B	6744	60	e 3, 1 f	8.78	*14*,14	B
5232	61	h 2, N	*10.3*		B	6101	60	a 4	6.69	A	Be	6745	60	e 4, 2 f	8.78	*04*,04	B
5261	60	f 3, 2 g	9.41	*09*,09	B	6106	62	b 3, 2 c	7.18	*01*,01	B	6753	60	e 4, 3 f	8.73	01,*01*	B
5263	62	f 2	9.22	A	B	6107	62	a 4	6.69	A	Be	6753	60	f 1, 3 g	9.26	*04*,04	B
5264	66	f 3, 2 g	9.41	*09*,09	B	6107	61	b 1, 3 c	7.03	*06*,06	B	"	"	e 4, 2 f	8.78	*04*,04	B
5266	10	f 3, 2 g	9.41	*09*,09	B	6118	64	c 2, 3 d	7.66	*07*,08	B	6754	60	e 4, 2 f	8.78	*04*,04	B
5267	65	f 2, 2 g	9.36	*14*,14	B	6311	10	n 1, 1 o	12.15	*05*,05	B	6755	60	e 4, 2 f	8.78	*04*,04	B
5275	11	f 1, 2 g	9.31	*19*,19	B	6319	60	m 2, 2 n	11.80	00,00	B	6760	62	e 4	8.74	A	Br
5280	10	f 2, 3 g	9.31	*09*,09	Be	6320	60	n 2, 2 o	12.15	05,*05*	B	6761	61	e 4	8.74	A	Be
5282	64	f 2, 3 g	9.31	*09*,09	B	6324	60	m 1, 2 n	11.75	*05*,05	B	6765	61	e 4, 3 f	8.73	01,*01*	B
5292	60	f 2, 1 g	9.41	*19*,19	B	6342	37	k 2, 2 l	10.92	*02*,01	B	6767	61	e 4, 3 f	8.73	01,*01*	B
5308	10	e 4, 1 f	8.83	*09*,09	B	6346	60	k 1, 2 l	10.86	*06*,07	B	6781	64	c 3, 2 d	7.76	*07*,08	B
5310	60	e 3, 3 f	8.68	*04*,04	B	6346	60	2 k	10.50	A	Be	6785	60	c 1, 3 d	7.62	*13*,12	B
5333	61	b 1, 2 c	7.08	*11*,11	B	6360	60	g 2, 2 h	9.92	*02*,03	B	6786	62	b 2, 1 c	7.18	*11*,11	B
5592	10	k 2, 1 l	10.96	*06*,07	B	6360	10	h 3, 3 k	10.42	03,*02*	B	6793	60	b 2, 3 c	7.08	*01*,01	B
5613	465	f 3, 2 g	9.41	*09*,09	B	6377	60	f 2, 3 g	9.31	*09*,09	B	6793	69	b 2, 3 c	7.08	*01*,01	B
5620	60	g 2, 3 h	9.88	02,*03*	B	6377	57	f 1, 1 g	9.36	*24*,24	B	6794	66	3 c	7.09	A	Be
5623	10	f 1, 2 g	9.31	*19*,19	B	6397	60	e 4, 2 f	8.78	*04*,04	B	6802	60	a 2, 2 b	6.58	*09*,09	B
5631	10	f 1, 3 g	9.26	*14*,14	B	6397	60	e 4, 2 f	8.78	*04*,04	B	6821	63	a 1, 2 b	6.53	*14*,14	B
5631	60	f 3, 2 g	9.41	*09*,09	B	6400	60	e 4, 3 f	8.73	01,*01*	B	6822	60	a 1, 2 b	6.53	*14*,14	B
5632	10	f 2, 2 g	9.36	*14*,14	B	6402	66	e 3, 3 f	8.68	*04*,04	B	6823	62	a 1, 2 b	6.53	*14*,14	B
5634	62	f 2, 2 g	9.36	*14*,14	B	6402	65	e 3, 3 f	8.68	*04*,04	B	6858	60	c 2, 3 d	7.66	*07*,08	B
5659	60	e 4, 3 f	8.73	01,*01*	B	6402	60	e 4, 3 f	8.73	01,*01*	B	7095	77	k 1, 2 l	10.86	*06*,07	B
5659	48	e 3, 3 f	8.68	*04*,04	B	6418	56	c 2, 3 d	7.66	*07*,08	B	7097	60	h 2, 3 k	10.38	*03*,02	B
5662	60	e 3	8.64	A	B	6419	66	c 2, 3 d	7.66	*07*,08	B	7098	60	h 2	10.35	A	B
5701	60	a 2, 1 b	6.63	*14*,14	B	6437	60	a 3, 3 b	6.58	01,*01*	B	7107	61	h 2, 1 k	10.48	*13*,12	B
5722	63	a 4, 3 b	6.63	06,*06*	B	6437	12	2 c	7.19	A	Be	7124	60	g 2, 2 h	9.92	*02*,03	B
5723	60	a 3	6.59	A	Be	6459	60	a 4, 2 b	6.68	01,*01*	B	7139	73	g 2, 2 h	9.92	*02*,03	B
5928	10	o 3, 0 p	12.61	*01*,01	B	6459	67	b 3, 2 c	7.18	*01*,01	B	7151	60	e 3, 2 f	8.73	*09*,09	B
6013	60	f 2, 1 g	9.41	*19*,19	B	6459	63	b 2, 3 c	7.08	*01*,01	B	7168	70	c 3, 2 d	7.76	*07*,08	B
6015	10	g 2, 2 h	9.92	*02*,03	B	6461	60	b 2, 3 c	7.08	*01*,01	B	7168	60	c 3, 3 d	7.72	*03*,02	B
6017	10	h 2, 3 k	10.38	*03*,02	B	6464	63	b 2, 2 c	7.13	*06*,06	B	7172	66	c 2, 3 d	7.66	*07*,08	B
"	"	g 1, 2 h	9.88	*08*,07	B	6477	60	b 2, 3 c	7.08	*01*,01	B	7175	62	c 3, 2 d	7.76	*07*,08	B
6029	60	f 2, 2 g	9.36	*14*,14	B	6494	63	b 2, 1 c	7.18	*11*,11	B	7193	58	c 3, 3 d	7.72	*03*,02	B
6030	60	f 2	9.22	A	B	6654	60	n 2, 2 o	12.15	05,*05*	B	7193	61	c 3, 3 d	7.72	*03*,02	B
6031	60	f 1, 3 g	9.26	*14*,14	B	6695	10	k 1, 2 l	10.86	*06*,07	B	7193	60	c 3, 2 d	7.76	*07*,08	B
6032	60	f 1	9.12	A	B	6705	60	g 2, 1 h	9.98	*08*,07	B	7194	61	c 3, 2 d	7.76	*07*,08	B

2. *001032.* S SCULPTORIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
7194	61	c 3, 3 d	7.72	*03*,02	B
7195	63	c 3, 3 d	7.72	*03*,02	B
7195	15	c 1, 2 d	7.66	*17*,18	B

3. *001862.* S TUCANAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1257	10	k 1 N	*10.8*		F
1284	10	h 0	10.43	A	Fp
1335	60	d 2, 2 e	9.34	10,*10*	F
1623	60	d 3, 1 e	9.44	10,*10*	F
"	"	d 2, 1 e	9.39	05,*05*	F
1633	15	e 3, 1 f	9.66	02,*03*	F
1634	10	e 3, 1 f	9.66	08,*07*	F
1993	11	h 1	10.53	A	Be
2032	75	l 1	11.18	A	F
"	"	k 3, 0 l	11.08	00,00	L
2311	70	b 1, 3 c	8.62	00,00	F
2327	*60*	c 1, 2 d	9.03	*01*,01	B
2327	*63*	c 1, 1 d	9.08	*06*,06	B
2347	10	c 2, 1 d	9.13	*01*,01	F
3016	*63*	b 2, 3 c	8.67	05,*05*	F
3020	*60*	a 3, 2 b	8.38	06,*06*	B
3031	10	b 2, 2 c	8.72	00,00	B
3033	11	b 4, 1 c	8.87	05,*05*	F
"	"	b 3, 1 c	8.82	00,00	B
3033	10	b 3, 2 c	8.77	05,*05*	B
3052	10	c 2, 2 d	9.08	04,*04*	B
3083	10	f 2, 1 g	9.95	*06*,06	B
3143	16	l 3, 1 m	11.26	12,*13*	B
3437	10	l 2, N	*11.2*		B
3475	10	m 1, 1 n	11.28	05,*05*	B
3534	22	d 1, 2 e	9.29	05,*05*	B
3709	30	k 1, 0 l	10.98	*10*,10	B
3719	20	g 1, 1 h	10.27	*06*,06	B
3728	30	f 2, 3 g	9.85	04,*04*	B
3743	30	b 2, 1 c	8.77	*05*,05	B
3750	14	c 1, 3 d	8.98	04,*04*	Bd
3754	16	c 1, 3 d	8.98	04,*04*	Bd
3759	32	c 1, 3 d	8.98	04,*04*	Bd
3770	14	c 3, 1 d	9.18	04,*04*	Bd
3778	31	d 1, 1 e	9.34	00,00	B
3790	30	d 1, 1 e	9.34	00,00	B
3808	30	f 3, 1 g	10.00	*01*,01	B
3829	30	h 1, 2 k	10.56	*03*,02	B
3839	29	k 1, 1 l	10.93	*05*,05	B
3845	30	m 1, 1 n	11.28	05,*05*	B
3845	30	k 2, 1 l	10.98	00,00	B
"	"	k 3, 2 l	10.98	10,*10*	L
4041	15	f 2, 1 g	9.95	*06*,06	B
4066	30	k 1, 1 l	10.93	*05*,05	B
4094	25	m 1, 1 n	11.28	05,*05*	B
4181	25	l 2, N	*11.2*		B
4202	10	g 1, 1 h	10.27	*06*,06	B
4227	28	c 3, 1 d	9.18	04,*04*	Bd
4232	10	c 4, 0 d	9.28	04,*04*	Bd
4248	12	d 1, 3 e	9.24	10,*10*	Bd
4256	33	f 1, 2 g	9.85	*06*,06	B
"	"	e 1, 3 f	9.46	08,*07*	B
4448	13	c 3, 1 d	9.18	04,*04*	Bd
4452	10	b 5, 1 c	8.92	10,*10*	Bd
4461	30	c 2, 2 d	9.08	04,*04*	Bd
4482	34	c 1, 1 d	9.08	*06*,06	B
4493	*90*	c 1, 1 d	9.08	*06*,06	B
4539	60	f 2, 1 g	9.95	*06*,06	B
"	"	g 3, 1 h	10.37	04,*04*	B
4597	10	m 1, N	*11.3*		B
4650	12	m 1	11.33	A	B
4805	10	l 2, 1 m	11.20	08,*07*	B
4832	10	n 1, N	*11.4*		B
4909	10	h 1, 2 k	10.56	*03*,02	B
4924	66	e 3, 2 f	9.62	12,*13*	B
4941	65	c 3, 2 d	9.13	09,*09*	B
4953	72	c 2, 3 d	9.03	09,*09*	B
4955	62	c 1, 2 d	9.03	*01*,01	B
4970	12	d 1, 1 e	9.34	00,00	B
4970	12	b 2, 0 c, 1 d	8.93	*21,01,* 21	B
4972	11	2 d	9.04	A	Be
4980	60	c 3, 1 d	9.18	04,*04*	B
4987	73	c 3, 2 d	9.13	09,*09*	B
5198	58	b 4, 2 c	8.82	10,*10*	B
5224	60	c 3, 3 d	9.08	14,*14*	B
5224	60	c 3, 1 d	9.18	04,*04*	B
5225	60	c 2, 2 d	9.08	04,*04*	B
5226	60	c 3, 2 d	9.13	09,*09*	B
5231	60	c 5, 3 d	9.18	24,*24*	B
5235	66	d 2, 1 e	9.39	05,*05*	B
5235	*19*	e 2	9.64	A	B
5261	12	f 3, 1 g	10.00	*01*,01	B
5275	10	l 1	11.18	A	B
5316	60	n 3, N	*11.6*		B
5592	10	n 2, N	*11.5*		B
5619	10	m 2, 1 n	11.33	10,*10*	B
5620	60	m 1, 1 n	11.28	05,*05*	B
5631	60	h 1	10.53	A	B
5631	10	k 2, 2 l	10.93	05,*05*	B
5634	65	g 2, 2 h	10.27	04,*04*	B
5649	10	c 3, 2 d	9.13	09,*09*	Be
5659	60	b 3, 1 c	8.82	00,00	B
5659	48	b 3, 3 c	8.72	10,*10*	B
5660	68	b 3, 2 c	8.77	05,*05*	B
5660	60	b 3, 3 c	8.72	10,*10*	B
5665	60	b 3	8.82	A	Be
5666	67	b 2, 3 c	8.67	05,*05*	B
5666	10	c 2, 3 d	9.03	09,*09*	B
5668	61	b 3, 3 c	8.72	10,*10*	B
5689	65	b 3, 1 c	8.82	00,00	B
5693	61	c 3, 3 d	9.08	14,*14*	B
5722	63	e 1, 2 f	9.52	02,*03*	B
5903	60	c 3, 3 d	9.08	14,*14*	B
5904	60	c 2, 3 d	9.03	09,*09*	B
5911	61	b 3, 2 c	8.77	05,*05*	B
5914	60	c 2, 3 d	9.03	09,*09*	B
5918	60	b 3, 2 c	8.77	05,*05*	B
5918	10	c 2, 2 d	9.08	04,*04*	B
5926	60	b 2, 2 c	8.72	00,00	B
5927	60	c 2, 2 d	9.08	04,*04*	B
5927	60	c 3, 2 d	9.13	09,*09*	B
5928	60	c 2, 3 d	9.03	09,*09*	B
5928	60	c 3, 3 d	9.08	14,*14*	B
5938	61	d 2, 2e	9.34	10,*10*	B
5940	60	d 3, 3 e	9.34	20,*20*	B
5943	60	d 2, 2 e	9.34	10,*10*	B
6017	61	n 3, 1 o	11.63	00,00	B
6060	61	o 2, 0 p	11.96	*03*,04	B
6072	70	p 2	12.20	A	B
6120	61	e 2, 2 f	9.56	08,*07*	B
6286	60	p 2, 1 q	12.20	00,00	B
6324	60	n 3, 1 o	11.63	00,00	B
6358	60	f 1, 2 g	9.85	*06*,06	B
6358	61	f 3, 3 g	9.90	09,*09*	B
6360	63	f 2, 3 g	9.85	04,*04*	B
6377	60	d 1, 2 e	9.29	05,*05*	B
6396	60	c 1, 3 d	8.98	04,*04*	B
6397	60	b 3, 2 c	8.77	05,*05*	B
6397	60	c 3, 3 d	9.08	14,*14*	B
6397	60	c 3, 3 d	9.08	14,*14*	B
6398	74	c 2, 2 d	9.08	04,*04*	B
6402	65	c 1, 3 d	8.98	04,*04*	B
6407	61	c 3, 2 d	9.13	09,*09*	B

3. *001862.* S Tucanae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6407	66	c 3, 2 d	9.13	09,*09*	B
6418	56	c 3, 3 d	9.08	14,*14*	B
6419	69	c 2, 3 d	9.03	09,*09*	B
6419	66	c 2, 3 d	9.03	09,*09*	B
6436	54	e 3, 1 f	9.62	02,*03*	B
6437	11	e 2, 2 f	9.56	08,*07*	B
6605	61	b 3, 2 c	8.77	05,*05*	B
6606	60	b 2, 1 c	8.77	*05*,05	B
6624	62	b 2, 3 c	8.67	05,*05*	B
6624	60	b 1, 2 c	8.67	*05*,05	B
6634	61	b 3, 3 c	8.72	10,*10*	B
6634	59	c 2, 3 d	9.03	09,*09*	B
6635	60	b 1, 2 c	8.67	*05*,05	B
6643	10	c 2	9.12	A	Be
6646	60	b 3, 1 c	8.82	00,00	B
6652	61	c 2, 3 d	9.03	09,*09*	B
6654	60	c 1, 2 d	9.03	*01*,01	B
6655	63	c 1, 2 d	9.03	*01*,01	B
6662	60	c 3, 2 d	9.08	14,*14*	B
6662	60	c 3, 3 d	9.08	14,*14*	B
6663	60	d 2, 2 e	9.34	10,*10*	B
6663	60	d 3, 3 e	9.34	20,*20*	B
6663	10	d 2, 2 e	9.34	10,*10*	B
6667	29	d 3, 3 e	9.34	20,*20*	B
6683	61	f 2, 3 g	9.85	04,*04*	B
6684	60	e 2, 2 f	9.56	08,*07*	B
6684	60	e 2, 1 f	9.62	02,*03*	B
6684	10	f 1, 2 g	9.85	*06*,06	B
6694	60	k 2,	10.98	A	Bdr
6694	10	2 h	10.23	A	Be
6694	10	k 1	10.88	A	Be
6713	10	l 1, 1 m	11.16	02,*03*	B
6767	61	p 2, 1 q	12.20	00,00	B
6855	60	f 1, 2 g	9.85	*06*,06	B
6859	62	f 2, 2 g	9.90	*01*,01	B
7020	10	m 2, N	*11.4*		B
7069	11	l 2, 2 m	11.16	12,*13*	B
7095	61	f 2, 3 g	9.85	04,*04*	B
7096	62	e 1, 2 f	9.52	02,*03*	B
7096	64	d 1, 2 e	9.29	05,*05*	B
7097	60	d 2, 1 e	9.39	05,*05*	B
7097	60	d 2, 2 e	9.34	10,*10*	B
7108	60	c 3, 2 d	9.13	09,*09*	B
7110	60	c 3, 2 d	9.13	09,*09*	B
7121	62	c 2, 2 d	9.08	04,*04*	B
7122	63	c 2, 2 d	9.08	04,*04*	B
7125	60	b 2, 2 c	8.72	00,00	B
7125	63	c 2, 2 d	9.08	04,*04*	B
7128	61	c 2, 2 d	9.08	04,*04*	B
7164	66	f 2	9.89	A	B
7164	11	f 2, 3 g	9.85	04,*04*	B
7166	10	f 2, 2 g	9.90	*01*,01	Be
7184	60	g 2	10.31	A	B

4. *002546.* T Phoenicis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1217	60	h 2, 2 k	11.40	*01*,01	F
1228	10	d 3, 0 e, 4 f	10.34	07,02, *08*	F
1228	10	b 3, 1 c	9.59	*04*,04	F
1236	60	b 2, 3 c	9.44	01,*01*	F
1243	60	b 1, 4 c	9.34	01,*01*	F
1249	60	a 3, 2 b	9.05	00,00	F
1252	10	a 4, 1 b	9.15	00,00	Fe
1284	10	b 3, 2 c	9.54	01,*01*	F
1284	10	b 3, 2 c	9.54	01,*01*	F
1621	60	g 2, 1 h	11.12	02,*03*	F
1966	10	k 1, N	*11.7*		F
2347	11	g 2, 1 h	11.12	02,*03*	Bd
2347	10	h 2, 2 k	11.40	*01*,01	F
"	"	h 3, 2 k	11.45	04,*04*	F
2658	10	b 2, 2 c	9.49	*04*,04	F
2672	10	b 1, 2 c	9.44	*09*,09	B
2672	10	b 1, 4 c	9.34	01,*01*	F
3031	10	h 2, 2 k	11.40	*01*,01	F
3119	10	l 1, N	*12.0*		Fp
3385	10	l 1, N	*12.0*		B
3435	11	l 2, N	*12.1*		F
3754	27	g 1	11.04	A	B
"	"	f 1	10.76	A	B
3770	12	a 5, 0 b, 4 c	9.28	*03,03*, 05	F
3817	*62*	b 3, 2 c	9.54	01,*01*	F
3875	10	h 2, 2 k	11.40	*01*,01	F
3876	10	h 1, 3 k	11.30	*01*,01	F
3895	13	h 1	11.29	A	F
4155	10	h 2, 2 k	11.40	*01*,01	B
4248	10	k 1, N	*11.7*		B
4494	11	k 1, N	*11.7*		B
4570	60	h 3, 2 k	11.45	04,*04*	B
4605	10	b 1, 2 c	9.44	*09*,09	B
4606	11	b 1, 3 c	9.39	*04*,04	B
4638	10	6 b	8.65	A	Be
4653	11	b 2, 2 c	9.49	*04*,04	B
4861	12	k 1	11.71	A	B
4876	13	h 3, 3 k	11.40	09,*09*	B
4884	10	f 1, 2 g	10.75	01,*01*	B
4891	80	b 1, 2 c	9.44	*09*,09	B
4892	74	b 3, 2 c	9.54	01,*01*	B
4904	66	a 3, 3 b	9.00	05,*05*	B
4924	66	a 4, 3 b	9.05	10,*10*	B
4928	11	b 2, 2 c	9.49	*04*,04	B
4938	73	b 1, 4 c	9.34	01,*01*	B
4939	65	b 2, 2 c	9.49	*04*,04	B
4940	10	b 2, 1 c	9.54	*09*,09	B
4942	60	b 3, 3 c	9.49	06,*06*	B
4953	62	c 3, 3 d	9.92	11,*11*	B
4954	99	c 3, 2 d	9.97	06,*06*	B
5226	60	b 3, 2 c	9.54	01,*01*	B
5235	66	b 5, 3 c	9.59	16,*16*	B
5263	11	h 2, 3 k	11.35	04,*04*	B
5266	60	f 2	10.86	A	B
5267	65	g 2, 1 h	11.12	02,*03*	B
5267	65	g 1	11.04	A	B
5284	60	k 2, 2 l	11.80	01,*01*	B
5541	61	b 2, 2 c	9.49	*04*,04	B
5599	12	k 1, N	*11.7*		B
5649	10	l 1, N	*12.0*		B
5722	63	b 2, 2 c	9.49	*04*,04	B
5928	10	k 1, N	*11.7*		B
5970	60	k 1, 2 l	11.75	*04*,04	B
6013	60	a 3, 3 b	9.00	05,*05*	B
6015	11	A 3, 2 a	8.58	02,*03*	B
6017	60	A 3, 1 a	8.62	*02*,03	B
6018	60	a 3, 4 b	8.95	10,*10*	B
6027	60	A 4, 1 a	8.68	02,*03*	B
6029	60	a 4, 3 b	9.05	10,*10*	B
6030	60	a 2, 4 b	8.90	05,*05*	B
6031	60	A 3, 1 a	8.62	*02*,03	B
6034	60	a 3, 3 b	9.00	05,*05*	B
6045	10	a 3, 1 b	9.10	*05*,05	B
6047	61	b 2, 3 c	9.44	01,*01*	B
6062	60	c 2, 2 d	9.92	01,*01*	B
6253	60	d 2, 1 e	10.28	03,*02*	B
6254	61	d 2, 1 e	10.28	03,*02*	B
6264	64	c 2, 2 d	9.92	01,*01*	B
6269	61	b 3, 2 c	9.54	01,*01*	B
6272	64	a 3, 3 b	9.00	05,*05*	B
6278	69	A 3, 1 a	8.62	*02*,03	B
6281	60	A 3, 2 a	8.58	02,*03*	B

4. *002546*. T Phoenicis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6282	60	a 1, 4 b	8.85	00,00	B
6293	60	A 3, 2 a	8.58	02,*03*	B
6297	60	A 3, 2 a	8.58	02,*03*	B
6302	62	A 3, 1 a	8.62	*02*,03	B
6302	60	A 3, 2 a	8.58	02,*03*	B
6302	10	2 a	8.55	A	Be
6311	61	a 2, 3 b	8.95	00,00	B
6311	10	a 1, 2 b	8.95	*10*,10	B
6311	11	a 1, 2 b	8.95	*10*,10	B
6313	60	a 1, 3 b	8.90	*05*,05	B
6323	58	a 3, 2 b	9.05	00,00	B
6331	60	b 1, 3 c	9.39	*04*,04	B
6337	60	b 2, 3 c	9.44	01,*01*	B
6340	60	b 2, 2 c	9.49	*04*,04	B
6340	10	b 2, 1 c	9.54	*09*,09	B
6342	64	c 1, 2 d	9.87	*04*,04	Be
6345	60	c 1, 3 d	9.82	01,*01*	B
6359	60	d 2, 3 e	10.18	13,*12*	B
6360	60	e 2, 3 f	10.46	10,*10*	B
6360	63	d 3, 3 e	10.24	17,*18*	B
6360	10	f 2, 2 g	10.80	06,*06*	Bd
6606	60	b 3, 3 c	9.49	06,*06*	B
6634	59	e 1	10.46	A	B
6635	60	g 1, 2 h	11.02	02,*03*	B
6662	10	k 1, 2 l	11.75	*04*,04	B
6695	10	m 2, 1 n	12.62	*05*,05	B
6701	240	m 3, 2 n	12.62	05,*05*	B
6793	69	k 2, N	*11.8*		B
6855	60	a 1, 3 b	8.90	*05*,05	B
"	"	a 2, 3 b	8.95	00,00	B
6858	60	a 3, 2 b	9.05	00,00	B
6992	65	h 2, N	*11.3*		B
7019	10	l 1, N	*12.0*		B
7067	60	g 2	11.14	A	B
7068	10	h 2, 1 k	11.45	*06*,06	B
7095	61	h 2	11.39	A	B
7095	77	h 2	11.39	A	B
7097	60	h 2	11.39	A	B
7107	61	g 1, 1 h	11.06	*02*,03	B
7108	60	d 3, 2 e	10.28	13,*12*	B
7110	60	d 3, 2 e	10.28	13,*12*	B
7121	62	a 1, 2 b	8.95	*10*,10	B
7122	63	b 2, 3 c	9.44	01,*01*	B
7125	10	a 2, 2 b	9.00	*05*,05	B
7128	10	a 2, 1 b	9.05	*10*,10	Be
7128	61	a 2, 2 b	9.00	*05*,05	B
7139	73	A 3, 1 a	8.62	*02*,03	B
7151	60	a 2, 3 b	8.95	00,00	B
7164	66	b 2, 2 c	9.49	*04*,04	B
7168	70	b 2, 2 c	9.49	*04*,04	B
7172	66	b 3, 3 c	9.49	06,*06*	B
7193	61	c 2, 1 d	9.97	*04*,04	B
7193	60	e 2, 1 f	10.56	00,00	Bd

5. *005475*. U Tucanae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1257	10	n 1, N	*11.9*		B
1573	79	k 1, 2 l	11.01	01,*01*	B
1573	83	k 2, 1 l	11.11	01,*01*	B
1623	60	f 1, 4 g	10.02	02,*03*	B
"	"	e 1, 3 f	9.63	*01*,01	B
1624	60	d 2, 1 e	9.24	*17*,18	B
1627	60	d 2, 2 e	9.20	*13*,12	B
1627	60	d 2, 2 e	9.20	*13*,12	Bd
1628	60	d 1, 2 e	9.14	*17*,18	B
1629	60	d 3, 2 e	9.24	*07*,08	B
1634	10	d 4, 2 e	9.30	*03*,02	B
1993	12	o 2, 1 p	12.26	*02*,03	B
2027	141	q 1, 1 r	12.78	*01*,01	B
2028	201	r 3	13.20	A	B
2067	180	n 1, 1 o	11.93	*01*,01	B
2347	10	k 2, 2 l	11.06	06,*06*	B
2377	10	g 1, 1 h	10.53	*04*,04	B
2635	.55	f 1, 3 g	10.06	*02*,03	B
2638	*61*	e 3, 1 f	9.83	*01*,01	B
2661	160	f 2, 4 g	10.06	08,*07*	B
2669	*66*	d 2	9.07	A	B
"	"	d 4, 0 e	9.40	*13*,12	B
2669	*52*	e 2, 1 f	9.78	*06*,06	B
2718	185	g 1, 2 h	10.48	01,*01*	B
2719	188	h 1, 1 k	10.80	*03*,02	B
2726	125	k 2, 1 l	11.11	01,*01*	B
2734	10	k 2, 1 l	11.11	01,*01*	B
2740	230	l 2, 1 m	11.41	*01*,01	B
2761	10	o 2, 1 p	12.26	*02*,03	B
2761	10	o 1	12.14	A	Br
2802	180	r 2, 2 s	13.08	02,*01*	B
2803	65	q 2, 1 r	12.84	03,*04*	B
2817	41	o 2, 1 p	12.26	*02*,03	B
3086	11	q 2, 0 r	12.88	*01*,02	B
3087	10	q 2, 0 r	12.88	*01*,02	B
3119	10	k 1, 1 l	11.06	*04*,04	B
3119	10	k 1, 1 l	11.06	*04*,04	B
3119	10	k 2, 1 l	11.11	01,*01*	B
3138	*21*	g 2, 0 h, 2 k	10.66	*07*,01, 06	Bd
3143	10	f 2, 3 g	10.12	02,*03*	B
3143	10	g 2, 2 h	10.53	06,*06*	B
3143	10	f 3, 3 g	10.16	08,*07*	B
3418	*60*	f 1, 1 g	10.16	*12*,13	B
3435	10	d 3, 2 e	9.24	*07*,08	B
3437	11	d 1, 4 e	9.04	*07*,08	B
3437	10	d 2, 1 e	9.24	*17*,18	B
3463	10	f 1, 3 g	10.06	*02*,03	B
3464	10	f 1, 4 g	10.02	02,*03*	B
"	"	e 2, 1 f	9.78	*06*,06	B
3464	10	e 2, 1 f	9.78	*06*,06	Bd
3475	12	f 1, 3 g	10.06	*02*,03	B
3503	*102*	l 1, 1 m	11.36	*06*,06	B
3754	14	k 3, 0 l, 3 m	11.21	01,*01*, 01	B
3754	18	k 1, 2 l	11.01	01,*01*	B
3759	16	k 2, 1 l	11.11	01,*01*	B
3759	15	l 1, 4 m	11.21	09,*09*	B
3860	132	s 2, 1 t	13.50	*03*,04	B
3891	12	l 1, 3 m	11.26	04,*04*	B
3891	12	l 1, 2 m	11.31	*01*,01	B
3893	. .	k 1, 1 l	11.06	*04*,04	Br
3895	420	k 1, 1 l	11.06	*04*,04	Br
4116	10	q 2, N	*12.8*		B
4155	10	l 1	11.30	A	B
4213	200	d 1, 1 e	9.20	*23*,22	B
4217	130	d 2, 1 e	9.24	*17*,18	B
4218	240	d 2, 2 e	9.20	*13*,12	Bd
"	"	d 4, 3 e	9.24	03,*02*	L
"	"	d 4, 2 e	9.30	*03*,02	F
4221	280	d 2, 1 e	9.24	*17*,18	Bd
"	"	d 3, 2 e	9.24	*07*,08	L
"	"	d 4, 2 e	9.30	*03*,02	F
4221	*62*	d 3, 2 e	9.24	*07*,08	B
"	"	d 5, 2 e	9.34	03,*02*	L
"	"	d 5, 1 e	9.40	*03*,02	F
4226	270	d 4, 3 e	9.24	03,*02*	B
4246	*68*	e 1, 1 f	9.73	*11*,11	B
4247	13	e 1, 2 f	9.68	*06*,06	B
4251	12	e 2, 2 f	9.73	*01*,01	B
4251	*92*	e 2, 1 f	9.78	*06*,06	B
4255	12	f 1, 3 g	10.06	*02*,03	B
4452	10	f 2, 3 g	10.12	02 *03*	B
4463	10	d 2, 1 e	9.24	*17*,18	B

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5. *005475.* U Tucanae.						5. *005475.* U Tucanae.						5. *005475.* U Tucanae.					
4491	*180*	d 1, 2 e	9.14	*17*,18	B	5283	60	f 3	10.24	A	B	6269	63	f 2, 1 g	10.22	*08*,07	B
4529	11	g 2, 2 h	10.53	06,*06*	B	"	"	e 3, 1 f	9.83	*01*,01	B	6278	64	e 2, 2 f	9.73	*01*,01	B
4549	62	k 3, 2 l	11.11	11,*11*	B	5283	90	e 2, 2 f	9.73	*01*,01	B	6279	71	e 3, 3 f	9.73	09,*09*	B
4573	303	n 1, 0 o,	12.05	*13*,*01*,	B	5285	42	e 1, 3 f	9.63	*01*,01	B	6282	64	e 2, 2 f	9.73	*01*,01	B
		2 p		14		5289	60	f 1, 2 g	10.12	*08*,07	B	6289	60	d 3, 2 e	9.24	*07*,08	B
4604	300	q 2, 1 r	12.84	03,*04*	B	5296	12	f 2, 2 g	10.16	*02*,03	B	6297	64	e 2, 2 f	9.73	*01*,01	B
4655	11	o 2, 1 p	12.26	*02*,03	B	5315	60	l 2, 1 m	11.41	*01*,01	B	6302	62	e 1, 3 f	9.63	*01*,01	B
4805	11	h 2, 1 k	10.84	03,*02*	B	5316	60	l 1, 2 m	11.31	*01*,01	B	6310	60	f 2, 2 g	10.16	*02*,03	B
4841	10	p 4, 2 q	12.63	16,*16*	B	5316	60	l 2, 2 m	11.36	04,*04*	B	6310	10	f 1, 2 g	10.12	*08*,07	B
4863	10	q 2	12.87	A	B	5325	61	k 2, 1 l	11.11	01,*01*	B	6311	61	f 2, 2 g	10.16	*02*,03	B
4892	10	q 2, 0 r	12.88	*01*,02	B	5325	147	l 3, 1 m	11.46	04,*04*	B	6312	66	e 3, 3 f	9.73	09,*09*	B
4928	11	m 2	11.72	A	B	5336	60	o 2, 2 p	12.22	02,*03*	B	6312	10	f 1, 3 g	10.06	*02*,03	B
4930	10	l 1, 2 m	11.31	*01*,01	B	5542	62	d 3, 1 e	9.30	*13*,12	B	6312	10	e 2, 2 f	9.73	*01*,01	B
4940	10	l 1, 2 m	11.31	*01*,01	B	5556	60	f 3, 2 g	10.22	02,*03*	B	6331	60	f 3, 2 g	10.22	02,*03*	B
4940	10	k 2, 2 l	11.06	06,*06*	B	5561	61	g 2, 1 h	10.58	01,*01*	Bd	6337	60	f 3, 3 g	10.16	08,*07*	B
4941	65	k 3, 2 l	11.11	11,*11*	B	"	"	g 3, 2 h	10.58	11,*11*	L	6339	60	f 3, 2 g	10.22	02,*03*	B
4942	10	k 1, 1 l	11.06	*04*,04	B	"	"	k 1, 3 l	10.96	06,*06*	F	6358	60	k 2, 2 l	11.06	06,*06*	B
4942	11	l 1, 2 m	11.31	*01*,01	B	5571	10	k 2, 1 l	11.11	01,*01*	B	6358	61	k 2, 1 l	11.11	01,*01*	B
4942	10	k 2, 2 l	11.06	06,*06*	B	5588	62	n 2, 2 o	11.93	09,*09*	B	6360	60	k 3	11.22	A	B
4955	62	h 1, 2 k	10.74	03,*02*	B	5693	11	n 2, 1 o	11.98	04,*04*	Bd	6360	63	l 2, 2 m	11.36	04,*04*	B
4959	*74*	h 2, 1 k	10.84	03,*02*	B	"	"	o 1, 3 p	12.12	02,*03*	L	6465	61	k 1, N	*11.0*		B
4961	*92*	h 3, 2 k	10.84	13,*12*	B	"	"	n 3, 1 o	12.03	09,*09*	F	6605	61	f 3, 2 g	10.22	02,*03*	B
4962	*90*	g 1, 1 h	10.53	*04*,04	Br	5703	62	m 1, 1 n	11.67	*05*,05	B	6650	150	o 2, 1 p	12.26	*02*,03	B
4962	216	f 2, 2 g	10.16	*02*,03	B	5723	62	l 1, 2 m	11.31	*01*,01	B	6669	10	q 1, N	*12.7*	A	B
4980	60	d 4, 3 e	9.24	03,*02*	B	5737	60	k 1, 2 l	11.01	01,*01*	B	6694	10	p 2, 1 q	12.58	01,*01*	B
4980	10	e 2, 2 f	9.73	*01*,01	B	5918	10	n 1, N	*11.9*		B	6710	235	p 2, 1 q	12.58	01,*01*	B
4987	64	d 3, 3 e	9.20	*03*,02	B	5985	61	k 2, 3 l	11.01	11,*11*	B	6723	13	n 2, 2 o	11.93	09,*09*	B
4990	62	d 3, 3 e	9.20	*03*,02	B	6009	60	d 3, 1 e	9.30	*13*,12	B	6725	137	n 3	12.12	A	B
5224	60	e 4, 2 f	9.83	09,*09*	B	6013	60	d 3, 2 e	9.24	*07*,08	B	6727	120	o 2, 1 p	12.26	*02*,03	B
5224	60	e 3, 2 f	9.78	04,*04*	Bi	6018	60	d 3, 2 e	9.24	*07*,08	B	6743	60	l 1, 2 m	11.31	*01*,01	B
5224	60	f 1, 3 g	10.06	*02*,03	B	6029	60	d 3, 4 e	9.14	03,*02*	B	6753	80	k 2, 1 l	11.11	01,*01*	B
5225	60	f 1, 3 g	10.06	*02*,03	B	6031	60	d 3, 3 e	9.20	*03*,02	B	6754	240	k 1, 2 l	11.01	01,*01*	B
5225	60	f 1, 3 g	10.06	*02*,03	B	6033	10	c 2, 2 d	8.66	*01*,01	B	6754	62	k 1	11.02	A	B
5231	60	e 3, 2 f	9.78	04,*04*	B	"	"	d 2, 3 e	9.14	*07*,08	B	6755	120	l 2, 1 m	11.41	*01*,01	Be
5261	10	d 3, 2 e	9.24	*07*,08	B	6033	10	d 1, 2 e	9.14	*17*,18	B	"	"	k 2, 1 l	11.11	01,*01*	B
5261	10	d 2, 3 e	9.14	*07*,08	B	6033	10	d 1, 3 e	9.10	*13*,12	B	6755	120	h 1, 1 k	10.80	*03*,02	Be
5262	10	d 4, 2 e	9.30	*03*,02	B	6034	10	d 3, 3 e	9.20	*03*,02	B	6757	120	f 3, 2 g	10.22	02,*03*	Ld
5263	64	d 4, 2 e	9.30	*03*,02	B	6043	61	d 3, 2 e	9.24	*07*,08	B	6757	120	f 3, 2 g	10.22	02,*03*	Ld
5263	62	d 3, 3 e	9.20	*03*,02	B	6045	60	d 4, 3 e	9.24	03,*02*	B	6758	120	f 4, 2 g	10.26	08,*07*	Ld
5264	61	d 3, 3 e	9.20	*03*,02	B	6047	10	d 3, 2 e	9.24	*07*,08	B	6758	120	f 4, 2 g	10.26	08,*07*	Ld
5266	60	d 2, 3 e	9.14	*07*,08	B	6062	60	f 1, 3 g	10.06	*02*,03	B	6759	240	f 3, 2 g	10.22	02,*03*	Ld
5267	66	d 3, 3 e	9.20	*03*,02	B	6062	60	e 1, 2 f	9.68	*06*,06	B	6760	118	f 3, 3 g	10.16	08,*07*	Ld
5268	60	d 2, 3 e	9.14	*07*,08	B	6073	59	e 3, 1 f	9.83	*01*,01	B	"	"	f 4, 2 g	10.26	08,*07*	F
5276	65	d 4, 2 e	9.30	*03*,02	B	6090	61	h 2, 2 k	10.80	07,*08*	B	6760	118	f 2, 0 g,	10.33	*19*,06,	Bd
5280	10	e 1, 3 f	9.63	*01*,01	B	6130	61	l 2, N	*11.4*		B			2 h		14	
5280	10	d 3, 2 e	9.24	*07*,08	B	6253	60	g 1, 2 h	10.48	01,*01*	B	"	"	f 2, 2 g	10.16	*02*,03	L
5281	63	d 2, 1 e	9.24	*17*,18	B	6264	64	f 3, 1 g	10.26	*02*,03	B	"	"	f 4, 2 g	10.26	08,*07*	F

5. *005475.* U TUCANAE.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6760	118	f 3, 1 g	10.26	*02*,03	Ld
“	“	f 4, 2 g	10.26	08,*07*	F
6760	118	h 1, 2 k	10.74	03,*02*	Bd
“	“	f 3, 1 g	10.26	*02*,03	L
“	“	f 3, 2 g	10.22	02,*03*	F
6760	118	g 1, 0 h, 1 k	10.66	*17*,01, 16	Bd
6760	60	f 2, 2 g	10.16	*02*,03	B
“	“	f 3, 2 g	10.22	02,*03*	B
6768	62	f 2, 1 g	10.22	*08*,07	B
6781	63	e 1, 2 f	9.68	*06*,06	B
6785	60	e 2, 3 f	9.68	04,*04*	B
6786	60	d 3, 2 e	9.24	*07*,08	B
6789	60	d 4, 2 e	9.30	*03*,02	B
6793	63	d 2, 3 e	9.14	*07*,08	B
6795	67	d 4, 3 e	9.24	03,*02*	B
6801	62	d 3, 2 e	9.24	*07*,08	B
6802	62	d 3, 2 e	9.24	*07*,08	B
6813	63	d 3, 4 e	9.14	03,*02*	B
6821	66	d 4, 1 e	9.34	*07*,08	B
6855	60	h 1, 1 k	10.80	*03*,02	B
6859	62	h 1, 2 k	10.72	03,*02*	B
6991	60	k 2, 2 l	11.06	06,*06*	B
6992	61	l 3, N	*11.5*		B
6999	60	k 3	11.22	A	B
7006	60	k 2, 2 l	11.06	06,*06*	B
7010	64	g 1, 2 h	10.48	01,*01*	B
7018	60	f 3, 2 g	10.22	02,*03*	B
7018	60	f 2, 2 g	10.16	*02*,03	B
7018	10	h 2, 2 k	10.80	07,*08*	B
7020	60	f 3, 2 g	10.22	02,*03*	B
7021	11	h 2, 2 k	10.80	07,*08*	B
7021	10	h 3, 2 k	10.84	13,*12*	B
7028	63	f 2, 2 g	10.16	*02*,03	B
7032	62	e 3, 3 f	9.73	09,*09*	B
7038	60	e 2, 2 f	9.73	*01*,01	B
7039	67	d 3, 2 e	9.24	*07*,08	B
7049	61	d 3, 2 e	9.24	*07*,08	B
7066	68	d 3, 3 e	9.20	*03*,02	B
7067	66	d 3, 3 e	9.20	*03*,02	B
7068	65	d 3, 3 e	9.20	*03*,02	B
7069	60	d 3, 3 e	9.20	*03*,02	B
7069	60	d 3, 3 e	9.20	*03*,02	B
7075	60	d 2, 3 e	9.14	*07*,08	B
7076	60	d 3, 2 e	9.24	*07*,08	B
7076	10	d 3, 2 e	9.24	*07*,08	B
7076	11	d 2, 2 e	9.20	*13*,12	B
7080	62	d 3, 2 e	9.24	*07*,08	B
7094	62	d 3, 3 e	9.20	*03*,02	B
7095	61	d 3, 2 e	9.24	*07*,08	B
7095	62	e 1, 2 f	9.68	*06*,06	B
7096	62	d 2, 1 e	9.24	*17*,18	B
7097	60	e 2, 3 f	9.68	04,*04*	B
7105	60	f 2, 3 g	10.12	02,*03*	B
7108	60	f 3, 2 g	10.22	02,*03*	B
7108	63	f 2, 2 g	10.16	*02*,03	B
7125	60	k 2, 1 l	11.11	01,*01*	B
7125	60	k 2, 1 l	11.11	01,*01*	B
7125	63	k 2, 2 l	11.06	06,*06*	B
7168	12	n 2, N	*12.0*		B

6. 015354. U PERSEI.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
9849	60	e 2, 3 f	10.64	13,*12*	Lp
“	“	e 1, 2 f	10.64	03,*02*	B
0606	15	e 3, 0 f, 4 g	10.78	09,04, *14*	L
“	“	g 2, 2 h	11.19	05,*05*	B
“	“	e 1, 2 f	10.64	03,*02*	B
0607	20	e 2, 1 f	10.74	03,*02*	L
“	“	d 1, 2 e	10.20	*18*,17	B
“	“	d 2, 1 e	10.30	*18*,17	B
0607	21	e 3, 0 f, 3 g	10.81	06,01, *07*	L
“	“	g 1, 2 h	11.14	00,00	B
“	“	e 1, 2 f	10.64	03,*02*	B
0625	67	d 3, 2 e	10.30	*08*,07	L
“	“	c 2, 1 d	9.82	00,00	B
“	“	d 2, 1 e	10.30	*18*,17	B
1286	61	b 1, 3 c	9.36	04,*04*	B
1293	60	b 1, 1 c	9.46	*06*,06	B
1294	72	b 1, 2 c	9.41	*01*,01	B
1640	40	b 2, 2 c	9.46	04,*04*	L
“	“	b 3, 2 c	9.51	09,*09*	B
1641	..	b 1, 1 c	9.46	*06*,06	Bd
1663	1C	a 4, 3 b	8.94	*06*,06	B
1671	13	b 1, 2 c	9.41	*01*,01	L
“	“	a 5, 3 b	8.99	*01*,01	L
“	“	a 2, 1 b	8.94	*26*,26	B
1672	10	a 2, 2 b	8.89	*21*,21	B
1676	*61*	a 4, 5 c	9.00	*12*,12	L
“	“	a 4, 3 b	8.94	*06*,06	L
“	“	a 2, 1 b	8.94	*26*,26	B
	m.				
1691	*63*	a 5, 3 b	8.99	*01*,01	L
“	“	a 3, 2 b	8.94	*16*,16	B
1691	10	b 2, 3 c	9.41	09,*09*	L
“	“	a 3, 2 b	8.94	*16*,16	B
1720	*62*	c 2, 2 d	9.77	05,*05*	B
1724	16	c 3, 4 d	9.72	20,*20*	L
“	“	b 4, 2 c	9.56	14,*14*	F
“	“	b 5, 0 c	9.71	09,*09*	F
“	“	c 2, 2 d	9.77	05,*05*	B
1746	30	d 1, 3 e	10.14	*12*,13	B
1749	13	d 4, 3 e	10.30	02,*03*	L
“	“	d 1, 2 e	10.20	*18*,17	B
1788	11	h 1	11.44	A	L
“	“	g 2, 1 h	11.24	00,00	B
1794	10	g 3	11.34	A	B
1794	12	g 2, 1 h	11.24	00,00	B
1803	14	h 1, 1 k	11.46	*02*,03	L
“	“	k 2	11.79	A	B
1817	10	h 1, 2 k	11.42	02,*03*	L
“	“	g 2, 1 h	11.24	00,00	B
1953	11	b 1, 2 c	9.41	01,*01*	L
“	“	c 2, 2 d	9.77	05,*05*	B
1990	24	b 2, 1 c	9.51	*01*,01	B
1995	12	b 2, 2 c	9.46	04,*04*	L
“	“	c 1, 2 d	9.72	00,00	B
2026	15	c 3, 4 d	9.72	20,*20*	L
“	“	d 1, 2 e	10.20	*18*,17	B
2057	19	d 2, 4 e	10.14	*02*,03	L
“	“	d 2, 2 e	10.24	*12*,13	B
2067	11	d 2, 2 e	10.24	*12*,13	B
2068	12	d 2, 2 e	10.24	*12*,13	B
2069	26	d 2, 1 e	10.30	*18*,17	B
2078	11	d 2, 1 e	10.30	*18*,17	B
2079	18	d 4, 2 e	10.34	*02*,03	L
“	“	d 4, 0 e, 3 f	10.47	*15*,10, 05	L
“	“	f 1, 2 g	10.88	04,*04*	B
“	“	d 4, 0 e, 3 f	10.47	*15*,10, 05	F
“	“	e 1, 2 f	10.64	03,*02*	B
2099	21	f 4, 0 g, 3 h	11.10	12,*06*, *06*	L
“	“	f 2, 1 g	10.98	04,*04*	B
2106	11	g 1, 1 h	11.19	*05*,05	B
2107	18	g 2, 1 h	11.24	00,00	L
“	“	f 2, 0 g, 2 h	11.07	*05*,*03*, 07	B

6. 015354. U Persei.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
2114	*120*	g 2, 1 h	11.24	00,00	B
2118	11	g 2, 1 h	11.24	00,00	B
2139	15	h 1, 1 k	11.46	*02*,03	L
“	“	h 1, 1 k	11.46	*03*,03	B
2164	16	g 3, 2 h	11.24	10,*10*	L
“	“	h 1, 1 k	11.46	*02*,03	B
2198	13	e 1, 2 f	10.64	03,*02*	L
“	“	d 2, 1 e	10.30	*18*,17	B
2345	20	b 2, 0 c, 3 d	9.58	*08*,04, 04	L
“	“	c 1, 1 d	9.77	*05*,05	B
2424	15	g 2, 1 h	11.24	00,00	L
“	“	g 2, 1 h	11.24	00,00	B
2426	13	g 3, 2 h	11.24	10,*10*	L
“	“	f 2, 1 g	10.98	04,*04*	B
2438	15	g 3, 0 h, 3 k	11.32	02,02, *03*	L
“	“	h 1, 1 k	11.46	*02*,03	B
2459	*70*	g 2, 2 h	11.19	05,*05*	B
2462	12	k 1, 2 l	11.69	00,00	L
“	“	g 2, 1 h	11.24	00,00	B
2462	11	k 1, 1 l	11.74	*05*,05	B
2463	16	h 2, 2 k	11.46	08,*07*	B
2467	10	h 2, 0 k, 3 l	11.57	*03*,02, 02	L
“	“	h 3, 0 k, 2 l	11.64	00,*05*, 05	B
2486	17	h 1, 2 k	11.42	02,*03*	L
“	“	g 1, 0 h, 2 k	11.29	*15*,05, 10	B
2510	16	e 3, 0 f, 3 g	10.81	06,01, *07*	L
“	“	d 3, 0 e, 2 f	10.47	*25*,10, 15	L
“	“	f 1, 2 g	10.88	04,*04*	B
2530	19	c 3, 2 d	9.82	10,*10*	L
“	“	b 2, 1 c	9.51	*01*,01	Bd
2578	15	b 1, 2 c	9.41	*01*,01	L
“	“	c 2, 2 d	9.77	05,*05*	B
“	“	b 1, 1 c	9.46	*06*,06	B
2697	15	c 3, 2 d	9.82	10,*10*	L
“	“	c 1, 2 d	9.72	00,00	B
“	“	b 2, 1 c	9.51	*01*,01	B
2705	16	d 3, 4 e	10.20	02,*03*	L
“	“	d 1, 2 e	10.20	*18*,17	B
2715	*84*	e 2, 1 f	10.74	03,*02*	B
2728	21	f 1, 2 g	10.88	04,*04*	L
2728	21	e 1, 0 f	10.74	*07*,08	Br
2790	10	g 2	11.24	A	L
“	“	g 2, 1 h	11.24	00,00	B
2798	61	g 1	11.14	A	Be
2804	92	f 2, 1 g	10.98	04,*04*	B
2816	10	f 2, 0 g, 3 h	11.03	*01*,01, 01	L
“	“	f 1, 1 g	10.93	*01*,01	B
2818	17	g 1, 2 h	11.14	00,00	L
“	“	f 1, 1 g	10.93	*01*,01	B
2821	36	g 1, 2 h	11.14	00,00	L
“	“	g 1, 2 h	11.14	00,00	B
2823	71	f 2, 2 g	10.93	09,*09*	B
2823	10	f 1, 1 g	10.93	*01*,01	B
2824	60	e 1, 1 f	10.70	*03*,02	B
2825	2	d 3, 1 e	10.34	*12*,13	B
2829	80	e 1, 1 f	10.70	*03*,02	B
2829	60	d 3, 2 e	10.30	*08*,07	B
2830	10	e 3, 2 f	10.74	13,*12*	L
“	“	e 1, 2 f	10.64	03,*02*	B
2830	10	d 3, 2 e	10.30	*08*,07	B
2830	10	e 2, 2 f	10.70	07,*08*	L
“	“	e 1, 2 f	10.64	03,*02*	B
2841	60	d 2, 2 e	10.24	*12*,13	B
2848	11	d 3, 4 e	10.20	02,*03*	L
“	“	c 1, 0 d	9.82	*10*,10	B
2849	10	c 2, 2 d	9.77	05,*05*	B
2851	10	c 2, 1 d	9.82	00,00	B
2860	61	c 2, 3 d	9.72	10,*10*	B
2876	11	c 3, 2 d	9.82	10,*10*	L
“	“	c 2, 1 d	9.82	00,00	B
2895	10	c 2, 3 d	9.72	10,*10*	L
“	“	b 2, 1 c	9.51	*01*,01	Bd
2907	11	c 1, 2 d	9.72	00,00	B
2914	10	b 3, 2 c	9.51	09,*09*	L
“	“	b 2, 1 c	9.51	*01*,01.	Bd
2915	10	b 3, 0 c, 4 d	9.58	02,04, *06*	L
“	“	b 1, 3 c	9.36	04,*04*	Bd
3113	14	h 1, 2 k	11.42	02,*03*	L
“	“	g 2, 1 h	11.24	00,00	B
3116	8	h 1, 2 k	11.42	02,*03*	L
“	“	f 2, 0 g	11.03	*01*,01	B
3116	13	g 2, 0 h, 2 k	11.32	*08*,02, 07	L
“	“	g 2, 0 h, 1 k	11.36	*12*,*02*, 13	B
3119	12	g 1, 1 h	11.19	*05*,05	B
3119	10	g 1, 1 h	11.19	*05*,05	B
3119	11	g 2, 1 h	11.24	00,00	B
3120	11	g 3, 0 h, 3 k	11.32	02,02, *03*	L
“	“	g 2, 1 h	11.24	00,00	B
3121	13	g 2, 0 h, 3 k	11.29	*05*,05, 00	L
“	“	g 1, 2 h	11.14	00,00	B
3122	24	g 3, 2 h	11.24	10,*10*	L
“	“	f 1, 1 g	10.93	*01*,01	B
3140	27	g 1, 2 h	11.14	00,00	L
“	“	e 2, 1 f	10.74	03,*02*	B
3144	14	e 2, 0 f, 3 g	10.78	*01*,04, *04*	L
“	“	d 1, 0 e	10.30	*28*,27	B
3169	18	c 3, 2 d	9.82	10,*10*	L
“	“	c 2, 1 d	9.82	00,00	B
3173	16	c 3, 2 d	9.82	10,*10*	L
“	“	b 1, 0 c, 2 d	9.58	*18*,04, 14	B
3178	10	c 3, 2 d	9.82	10,*10*	L
“	“	c 2, 1 d	9.82	00,00	B
3183	18	c 1, 2 d	9.72	00,00	B
3183	15	c 2, 1 d	9.82	00,00	B
3183	17	c 2, 2 d	9.77	05,*05*	B
3183	26	c 2, 2 d	9.77	05,*05*	B
3196	12	c 2, 3 d	9.72	10,*10*	L
“	“	c 1, 1 d	9.77	*05*,05	B
3196	20	c 3, 2 d	9.82	10,*10*	L
“	“	b 2, 1 c	9.51	*01*,01	Bd
3223	11	c 2, 1 d	9.82	00,00	B
3251	10	b 1, 2 c	9.41	*01*,01	B
3295	10	b 2, 2 c	9.46	04,*04*	L
“	“	b 3, 2 c	9.51	09,*09*	L
“	“	c 1, 2 d	9.72	00,00	B
3316	12	d 1, 4 e	10.10	*08*,07	L
“	“	d 2, 4 e	10.14	*02*,03	L
“	“	c 2, 1 d	9.82	00,00	B
3321	12	d 1	10.02	A	Lp
3398	12	k 2, 3 l	11.69	10,*10*	L
“	“	h 2, 1 k	11.52	02,*03*	B
3411	13	h 1, 2 k	11.42	02,*03*	L
“	“	h 2, 0 k, 1 l	11.64	*10*,05, 15	B
3473	16	d 3, 4 e	10.20	02,*03*	L
“	“	d 2, 3 e	10.20	*08*,07	B

6. 015354. U Persei.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3504	13	c 2, 3 d	9.72	10,*10*	L
“	“	d 1, 2 e	10.20	*18*,17	B
3548	20	b 3, 0 c, 4 d	9.58	02,04, *06*	L
“	“	c 1, 2 d	9.72	00,00	B
3589	11	b 3, 0 c, 3 d	9.61	*01*,01, 01	L
“	“	c 1, 1 d	9.77	*05*,05	B
3628	11	c 2, 3 d	9.72	10,*10*	L
“	“	b 2, 1 c	9.51	*01*,01	B
3643	12	d 2, 4 e	10.14	*02*,03	L
“	“	d 2, 3 e	10.20	*08*,07	L
3681	10	g 2	11.24	A	L
“	“	g 2	11.24	A	B
3707	17	g 2, 1 h	11.24	00,00	L
“	“	h 1, 1 k	11.46	*02*,03	B
3714	10	h 1, 1 k	11.46	*02*,03	L
“	“	k 2, 1 l	11.79	00 00,	B
3733	15	h 1, 1 k	11.46	*02*,03	L
“	“	h 2, 1 k	11.52	02,03	Bd
“	“	k 2, 1 l	11.79	00,00	F
3733	14	h 1, 2 k	11.42	02,*03*	L
“	“	k 2, 2 l	11.74	05,*05*	B
3769	14	f 1, 2 g	10.88	04,*04*	L
“	“	f 2, 0 g, 1 h	11.10	*08*,*06*, 14	B
3799	12	e 2, 2 f	10.70	07,*08*	L
“	“	d 4, 3 e	10.30	02,*03*	B
3799	10	d 3, 3 e	10.24	*02*,03	L
“	“	e 1, 1 f	10.70	*03*,02	B
3807	10	d 4, 2 e	10.34	*02*,03	L
“	“	d 1, 2 e	10.20	*18*,17	B
3807	10	d 2, 2 e	10.24	*12*,13	B
3818	30	d 2, 1 e	10.30	*18*,17	B
3823	10	d 2, 2 e	10.24	*12*,13	L
“	“	c 3, 1 d	9.87	05,*05*	B
3852	13	c 3, 2 d	9.82	10,*10*	L
“	“	d 1, 2 e	10.20	*18*,17	B
3855	11	c 3, 3 d	9.77	15,*15*	L
“	“	c 1, 2 d	9.72	00,00	B
3863	18	c 3, 2 d	9.82	10,*10*	L
“	“	d 2, 3 e	10.20	*08*,07	B
3878	23	c 3, 4 d	9.72	20,*20*	Lp
3880	10	b 3, 0 c, 5 d	9.55	05,07, *13*	L
“	“	c 2, 2 d	9.77	05,*05*	B
3897	10	c 3, 4 d	9.72	20,*20*	L

6. 015354. U Persei.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3897	10	b 2, 0 c, 2 d	9.61	*11*,01, 11	Br
3901	12	b 4, 0 c, 5 d	9.58	12,04, *16*	L
“	“	b 1, 2 c	9.41	*01*,01	B
3905	10	b 3, 2 c	9.51	09,*09*	L
“	“	b 1, 0 c, 2 d	9.58	*18*,04, 14	B
3908	10	b 3, 0 c, 4 d	9.58	02,04, *06*	L
“	“	c 2, 2 d	9.77	05,*05*	B
3918	13	c 2, 3 d	9.72	10,*10*	L
“	“	d 1, 3 e	10.14	*12*,13	B
3931	30	b 2, 1 c	9.51	*01*,01	B
3936	11	c 2, 3 d	9.72	10,*10*	L
“	“	c 1, 2 d	9.72	00,00	B
3937	17	c 3, 4 d	9.72	20,*20*	L
“	“	c 1, 2 d	9.72	00,00	B
3950	49	c 1, 1 d	9.77	*05*,05	B
3965	14	d 1, 1 e	10.24	*22*,23	B
3980	17	d 1, 2 e	10.20	*18*,17	B
3997	10	f 1, 2 g	10.88	04,*04*	B
3997	14	f 2, 1 g	10.98	04,*04*	B
4027	10	g 1, 1 h	11.19	*05*,05	B
4077	11	k 1, N	*11.6*		B
4111	10	d 2, 1 e	10.30	*18*,17	B
4139	25	b 3, 0 c, 1 d	9.68	*08*,*06*, 14	B
4143	10	b 1, 0c, 1 d	9.61	*21*,01, 21	B
4149	10	b 1, 0 c, 1 d	9.61	*21*,01, 21	B
4149	15	c 1, 2 d	9.72	00,00	B
4149	13	b 1, 0 c, 2 d	9.58	*18*,04, 14	B
4149	10	b 2, 2 c	9.46	04,*04*	B
4176	12	c 1, 3 d	9.67	05,*05*	B
4207	14	c 1, 2 d	9.72	00,00	B
4210	14	c 1, 2 d	9.72	00,00	B
4233	27	c 1, 2 d	9.72	00,00	B
4259	17	b 1, 1 c	9.46	*06*,06	B
4274	17	c 2, 3 d	9.72	10,*10*	B
4289	14	d 1, 2 e	10.20	*18*,17	B
4295	12	d 2, 3 e	10.20	*08*,07	B
4297	13	d 1, 1 e	10.24	*22*,23	B
4324	10	g 2, 1 h	11.24	00,00	B
4354	16	g 2, 2 h	11.19	05,*05*	B

6. 015354. U Persei.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4587	64	b 3, 1 c	9.56	04,*04*	B
4593	11	c 2, 3 d	9.72	10,*10*	B
4615	11	d 2, 3 e	10.20	*08*,07	B
4617	12	d 2, 2 e	10.24	*12*,13	B
4672	75	g 1, 1 h	11.19	*05*,05	B
4673	68	h 3, 1 k	11.56	08,*07*	Bd
4875	*72*	a 3, 1 b	8.99	*21*,21	B
4913	10	c 1, 3 d	9.67	05,*05*	B
4913	10	c 2, 1 d	9.82	00,00	B
4948	60	d 2, 2 e	10.24	*12*,13	B
4964	69	d 2, 1 e	10.30	*18*,17	B
4964	67	d 2, 2 e	10.24	*12*,13	B
4965	60	d 1, 2 e	10.20	*18*,17	B
4966	75	d 2, 1 e	10.30	*18*,17	B
4966	56	e 1, 1 f	10.70	*03*,02	B
4966	67	d 3, 1 e	10.34	*12*,13	B
4966	70	e 2, 2 f	10.70	07,*08*	B
4966	69	d 3, 1 e	10.34	*12*,13	B
4966	74	e 2, 1 f	10.74	03,*02*	B
4968	63	f 1, 3 g	10.83	09,*09*	B
4968	68	f 1, 2 g	10.88	04,*04*	B
4979	66	f 1, 2 g	10.88	04,*04*	B
4998	94	g 2, 1 h	11.24	00,00	B
5019	60	g 2, 1 h	11.24	00,00	B
5026	28	g 1, 2 h	11.14	00,00	B
5041	62	f 3, 1 g	11.03	09,*09*	B
5042	79	f 2, 3 g	10.88	14,*14*	B
5050	62	e 3, 2 f	10.74	13,*12*	B
5052	60	f 2, 1 g	10.98	04,*04*	B
5056	10	f 1, 2 g	10.88	04,*04*	B
5233	65	b 2, 3 c	9.41	09,*09*	B
5287	120	f 3, 2 g	10.98	14,*14*	B
5334	10	g 2, 1 h	11.24	00,00	Br
5403	63	d 3, 3 e	10.24	*02*,03	B
5403	60	d 2, 2 e	10.24	*12*,13	B
5404	70	c 2, 1 d	9.82	00,00	B
5414	60	c 2, 3 d	9.72	10,*10*	B
5414	61	c 2, 2 d	9.77	05,*05*	B
5424	65	c 2, 2 d	9.77	05,*05*	B
5424	56	c 2, 2 d	9.77	05,*05*	B
5426	*60*	d 1	10.02	A	Bp
5450	10	c 2, 2 d	9.77	05,*05*	B
5463	47	c 2, 1 d	9.82	00,00	B
5625	12	g 2, 2 h	11.19	05,*05*	B
5652	14	g 2, 1 h	11.24	00,00	B
5677	61	e 2, 1 f	10.74	03,*02*	B
5699	64	e 2, 3 f	10.64	13,*12*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
6. 015354. U PERSEI.					
	m.				
5710	19	d 1, 3 e	10.14	*12*,13	B
5716	94	c 2, 2 d	9.77	05,*05*	B
5720	57	d 2, 1 e	10.30	*18*,17	Be
5723	61	c 3, 2 d	9.82	10,*10*	B
5723	65	d 3, 2 e	10.30	*08*,07	Be
5734	21	c 3, 3 d	9.77	15,*15*	B
5751	68	b 2, 3 c	9.41	09,*09*	B
5751	59	c 1, 2 d	9.72	00,00	B
5770	62	b 3, 2 c	9.51	09,*09*	B
5773	89	b 2, 1 c	9.51	*01*,01	Bd
5774	108	b 1, 3 c	9.36	04,*04*	B
5778	10	b 1, 1 c	9.46	*06*,06	B
5784	77	a 4, 3 b	8.94	*06*,06	B
"	"	b 1, 2 c	9.41	*01*,01	B
5787	69	b 2, 2 c	9.46	04,*04*	B
5791	70	b 2, 3 c	9.41	09,*09*	B
5795	105	b 2, 2 c	9.46	04,*04*	Be
5800	65	c 2, 2 d	9.77	05,*05*	B
5810	62	2 c	9.42	A	Be
5834	34	a 2, 1 b	8.94	*26*,26	B
"	"	a 5, 1 b	9.09	*11*,11	B
5974	35	g 1, N	*11.1*		B
6031	71	c 2, 2 d	9.77	05,*05*	B
6043	85	c 2, 2 d	9.77	05,*05*	B
6046	100	c 2, 2 d	9.77	05,*05*	B
6048	130	c 3, 2 d	9.82	10,*10*	B
6048	68	b 2, 2 c	9.46	04,*04*	B
6051	70	b 2, 1 c	9.51	*01*,01	B
6054	85	b 1, 2 c	9.41	*01*,01	B
6062	94	b 2, 3 c	9.41	09,*09*	B
6076	95	b 1, 2 c	9.41	*01*,01	B
6077	60	b 2, 3 c	9.41	09,*09*	B
6092	53	b 1, 2 c	9.41	*01*,01	B
6092	13	a 3, 1 b	8.99	*21*,21	B
6098	13	b 1, 2 c	9.41	*01*,01	B
6102	63	a 4, 1 b	9.04	*16*,16	B
6104	72	b 2, 3 c	9.41	09,*09*	B
6111	60	b 1, 3 c	9.36	04,*04*	B
6111	59	b 1, 2 c	9.41	*01*,01	B
6111	12	a 3, 2 b	8.94	*16*,16	B
6114	62	a 3, 1 b	8.99	*21*,21	B
6116	92	b 2, 2 c	9.46	04,*04*	B
6120	69	b 2, 1 c	9.51	*01*,01	B
6124	60	a 4, 2 b	8.99	*11*,11	B
6125	71	a 4, 2 b	8.99	*11*,11	B
6128	72	b 1, 3 c	9.36	04,*04*	B
6133	81	b 1, 2 c	9.41	*01*,01	B
6136	63	b 2, 2 c	9.46	04,*04*	B
6149	60	b 2, 3 c	9.41	09,*09*	B
6153	75	b 3, 2 c	9.51	09,*09*	B
6160	65	b 2, 2 c	9.46	04,*04*	B
6164	69	b 3, 2 c	9.51	09,*09*	B
6165	30	a 2, 1 b	8.94	*26*,26	B
6169	58	b 3, 2 c	9.51	09,*09*	B
6175	68	b 3, 2 c	9.51	09,*09*	B
6233	26	e 1, 2 f	10.64	03,*02*	B
6347	50	c 3, 2 d	9.82	10,*10*	Bd
6361	74	b 1, 2 c	9.41	*01*,01	B
6364	84	c 1, 3 d	9.67	05,*05*	B
6365	77	b 2, 3 c	9.41	09,*09*	B
6369	98	a 3, 1 b	8.99	*21*,21	B
6369	22	a 2, 2 b	8.89	*21*,21	B
6370	69	b 3, 3 c	9.46	14,*14*	B
6371	91	b 3, 2 c	9.51	09,*09*	B
6372	97	a 3, 1 b	8.99	*21*,21	B
6373	110	b 3, 3 c	9.46	14,*14*	B
6374	95	b 3, 3 c	9.46	14,*14*	B
6376	90	b 2, 3 c	9.41	09,*09*	B
6379	69	b 1, 2 c	9.41	*01*,01	B
6382	77	a 4, 2 b	8.99	*11*,11	B
6382	71	b 2, 2 c	9.46	04,*04*	B
6386	76	b 1, 3 c	9.36	04,*04*	B
6390	71	b 2, 3 c	9.41	09,*09*	B
6401	61	c 2, 3 d	9.72	10,*10*	B
6410	65	b 2, 2 c	9.46	04,*04*	B
6412	59	b 3, 2 c	9.51	09,*09*	B
6412	*61*	d 2, 3 e	10.20	*08*,07	B
6417	55	b 3, 3 c	9.46	14,*14*	B
6418	66	c 2, 2 d	9.77	05,*05*	B
6419	66	b 3, 2 c	9.51	09,*09*	B
6419	10	4 e	10.17	A	Be
6427	75	b 3, 2 c	9.51	09,*09*	B
6433	61	b 3, 3 c	9.46	14,*14*	B
6433	91	b 1, 2 c	9.41	*01*,01	B
6438	60	b 1, 3 c	9.36	04,*04*	B
6444	62	b 1, 3 c	9.36	04,*04*	B
6444	64	b 1, 2 c	9.41	*01*,01	B
6444	59	a 3, 2 b	8.94	*16*,16	B
6449	66	b 2, 2 c	9.46	04,*04*	B
6455	66	b 3, 3 c	9.46	14,*14*	B
6456	62	a 4, 2 b	8.99	*11*,11	B
6457	68	a 4, 3 b	8.94	*06*,06	B
6463	45	a 3, 2 b	8.94	*16*,16	B
6467	61	a 2, 2 b	8.89	*21*,21	B
6467	77	a 3, 3 b	8.89	*11*,11	B
6468	92	a 3, 2 b	8.99	*11*,11	B
6471	52	a 4, 2 b	8.99	*11*,11	B
6475	69	a 4, 1 b	9.04	*16*,16	B
6477	70	a 4, 2 b	8.99	*11*,11	B
6480	31	b 1, 3 c	9.36	04,*04*	B
6484	65	a 4, 2 b	8.99	*11*,11	B
6484	61	a 4, 1 b	9.04	*16*,16	B
6498	81	c 2, 2 d	9.77	05,*05*	B
6499	59	b 2, 2 c	9.46	04,*04*	B
6504	78	b 2, 1 c	9.51	*01*,01	B
6505	86	b 1, 2 c	9.41	*01*,01	B
6514	80	d 2, 2 e	10.24	*12*,13	B
6519	69	d 2, 3 e	10.20	*08*,07	B
6523	65	d 4, 0 e	10.44	*12*,13	L
"	"	d 3, 1 e	10.34	*12*,13	F
6678	58	e 1, 2 f	10.64	03,*02*	B
6684	10	4 e	10.17	A	Be
6685	10	c 1, 3 d	9.67	05,*05*	B
6697	39	c 2, 3 d	9.72	10,*10*	B
6702	55	b 3, 3 c	9.46	14,*14*	B
6704	60	a 4, 2 b	8.99	*11*,11	Bi
6711	56	b 3, 3 c	9.46	14,*14*	B
6717	55	c 1, 3 d	9.67	05,*05*	B
6719	56	b 1, 2 c	9.41	*01*,01	B
6721	60	b 3, 1 c	9.56	04,*04*	B
6724	60	b 3, 3 c	9.46	14,*14*	B
6726	65	b 2, 1 c	9.51	*01*,01	B
6729	169	b 3, 3 c	9.46	14,*14*	B
6730	60	b 2, 3 c	9.41	09,*09*	B
6743	58	b 2, 2 c	9.46	04,*04*	B
6745	69	b 3, 2 c	9.51	09,*09*	B
6751	61	b 3, 2 c	9.51	09,*09*	B
6752	64	b 2, 1 c	9.51	*01*,01	Bd
6753	67	b 3, 2 c	9.51	09,*09*	B
6755	74	b 2, 3 c	9.41	09,*09*	B
6755	63	b 2, 2 c	9.46	04,*04*	B
6758	56	b 2, 3 c	9.41	09,*09*	B
6769	60	a 4, 2 b	8.99	*11*,11	B
6770	55	b 2, 3 c	9.41	09,*09*	B
6775	62	a 3, 3 b	8.89	*11*,11	B
6776	66	a 4, 2 b	8.99	*11*,11	B
6781	30	a 4, 3 b	8.94	*06*,06	B
6784	60	b 2, 3 c	9.41	09,*09*	B
6788	72	a 4, 1 b	9.04	*16*,16	B
6790	63	b 3, 2 c	9.51	09,*09*	B
6799	57	b 3, 2 c	9.51	09,*09*	B

6. 015354. U Persei.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6802	46	b 1, 3 c	9.36	04,*04*	B
6802	57	b 1, 3 c	9.36	04,*04*	B
6804	62	b 3, 2 c	9.51	09,*09*	B
6810	69	b 2, 2 c	9.46	04,*04*	B
6811	61	b 3, 3 c	9.46	14,*14*	B
6813	66	c 4, 2 d	9.87	15,*15*	B
6815	49	c 1, 2 d	9.72	00,00	B
6818	60	b 2, 3 c	9.41	09,*09*	B
6822	43	c 1, 2 d	9.72	00,00	B
6823	64	c 2, 2 d	9.77	05,*05*	B
6826	56	c 2, 3 d	9.72	10,*10*	B
6828	37	c 2, 2 d	9.77	05,*05*	B
6829	70	c 2, 2 d	9.77	05,*05*	B
6829	17	d 1, 2 e	10.20	*18*,17	B
"	"	c 1, 2 d	9.72	00,00	B
6831	61	c 2, 2 d	9.77	05,*05*	B
6836	61	b 3, 3 c	9.46	14,*14*	B
6836	51	b 3, 3 c	9.46	14,*14*	B
6843	65	d 1, 3 e	10.14	*12*,13	B
6844	73	d 2, 3 e	10.20	*08*,07	B
6845	57	d 3, 3 e	10.24	*02*,03	B
6845	*61*	d 1, 1 e	10.24	*22*,23	Bd
6850	65	d 4, 3 e	10.30	02,*03*	B
6856	56	d 2, 2 e	10.24	*12*,13	B
6860	72	e 1, 2 f	10.64	03,*02*	B
6866	72	d 3, 2 e	10.30	*08*,07	B
6869	81	e 2, 2 f	10.70	07,*08*	B
6873	62	f 1, 2 g	10.88	04,*04*	B
6875	84	f 2, 1 g	10.98	04,*04*	B
6877	71	f 3, 2 g	10.98	14,*14*	B
6880	64	e 2, 1 f	10.74	03,*02*	B
6881	79	e 2, 2 f	10.70	07,*08*	B
6888	76	f 3, 2 g	10.98	14,*14*	B
6890	60	f 2, 1 g	10.98	04,*04*	B
6898	71	f 1, 1 g	10.93	*01*,01	B
6900	83	g 1, 2 h	11.14	00,00	B
7031	46	b 3, 2 c	9.51	09,*09*	Ld
"	"	b 3, 1 c	9.56	04,*04*	F
7047	85	b 1, 2 c	9.41	*01*,01	B
7049	61	b 3, 3 c	9.46	14,*14*	B
7065	61	b 3, 3 c	9.46	14,*14*	B
7069	62	b 1, 2 c	9.41	*01*,01	B
7076	62	b 1, 3 c	9.36	04,*04*	B
7080	60	b 2, 3 c	9.41	09,*09*	B
7081	67	b 3, 3 c	9.46	14,*14*	B
7094	68	c 1, 2 d	9.72	00,00	B
7095	71	b 2, 3 c	9.41	09,*09*	B
7096	60	b 1, 3 c	9.36	04,*04*	Ldp
"	"	c 1, 3 d	9.67	05,*05*	F
7098	61	b 3, 3 c	9.46	14,*14*	B
7099	70	b 2, 3 c	9.41	09,*09*	B
7109	61	b 2, 2 c	9.46	04,*04*	B
7111	62	b 2, 1 c	9.51	*01*,01	B
7112	60	c 1, 2 d	9.72	00,00	B
7114	52	b 2, 2 c	9.46	04,*04*	B
7114	65	b 2, 1 c	9.51	*01*,01	B
7114	55	c 3, 2 d	9.82	10,*10*	B
7115	*60*	c 2, 2 d	9.77	05,*05*	B
7116	64	d 3, 3 e	10.24	*02*,03	B
7117	74	c 2, 2 d	9.77	05,*05*	B
7117	87	d 3, 3 e	10.24	*02*,03	B
7120	60	d 1, 2 e	10.20	*18*,17	B
7122	64	c 2, 3 d	9.72	10,*10*	B
7122	*60*	d 1, 2 e	10.20	*18*,17	Be
"	"	c 2, 1 d	9.82	00,00	B
7123	60	c 3, 3 d	9.77	15,*15*	B
7124	63	d 2, 3 e	10.20	*08*,07	B
7125	60	c 2, 3 d	9.72	10,*10*	B
7126	60	c 3, 2 d	9.82	10,*10*	B
7127	60	c 3, 2 d	9.82	10,*10*	B
7128	60	c 2, 2 d	9.77	05,*05*	B
7133	60	d 1, 2 e	10.20	*18*,17	B
"	"	d 1, 4 e	10.10	*08*,07	B
7135	62	c 2, 2 d	9.77	05,*05*	B
7136	58	c 2, 1 d	9.82	00,00	B
7142	63	d 2, 2 e	10.24	*12*,13	B
7147	68	d 4, 2 e	10.34	*02*,03	Ld
"	"	d 4, 2 e	10.34	*02*,03	F
7149	71	d 3, 2 e	10.30	*08*,07	B
7149	60	e 1, 2 f	10.64	03,*02*	B
7154	76	d 1, 2 e	10.20	*18*,17	B
7156	88	e 1, 1 f	10.70	*03*,02	B
"	"	d 3, 1 e	10.34	*12*,13	B
7158	48	f 2, 1 g	10.98	04,*04*	B
7158	20	d 2, 1 e	10.30	*18*,17	Be
7168	93	e 2, 2 f	10.70	07,*08*	B
7168	98	f 1, 1 g	10.93	*01*,01	B
7171	70	e 1, 2 f	10.64	03,*02*	B
7180	74	e 1, 2 f	10.64	03,*02*	B
7181	72	e 1, 2 f	10.64	03,*02*	B
7185	70	f 2, 1 g	10.98	04,*04*	Ld
"	"	f 1, 3 g	10.83	09,*09*	F
7198	67	g 1, 1 h	11.19	*05*,05	B
7206	32	e 1, 2 f	10.64	03,*02*	B

9. *022260*. S Horologii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1257	10	m 2, N	*12.1*		F
1311	12	m 2, N	*12.1*		F
1336	60	m 1	12.04	A	F
1616	61	n 4, N	*12.7*		F
1619	60	m 2, N	*12.1*		F
3031	12	n 1, N	*12.4*		F
3055	10	n 3, N	*12.6*		F
3086	10	n 1, N	*12.4*		F
3119	10	k 4, 1 l	11.55	06,*06*	F
3136	10	h 1, 4 k	10.85	04,*04*	F
3175	10	g 4, 0 h, 5 k	10.79	08,00, *08*	F
3387	10	n 4, N	*12.7*		F
3412	10	n 3, N	*12.6*		F
3464	10	h 1, 4 k	10.85	04,*04*	Be
3464	10	h 1, 4 k	10.85	04,*04*	Be
3464	13	g 2, 2 h	10.63	04,*04*	B
3496	12	d 4, 1 e	9.72	07,*08*	F
3511	*75*	d 3, 1 e	9.66	03,*02*	F
3512	*70*	e 2, 2 f	9.93	01,*01*	F
3513	*70*	e 2, 0 f, 1 g	10.14	*20*,02, 23	B
3786	19	m 1, N	*12.0*		B
3829	10	g 1, 0 h, 2 k	10.79	*22*,00, 22	B
3839	10	f 1, 1 g	10.30	*08*,07	B
3867	10	h 2, 1 k	11.05	*06*,06	B
3877	10	k 2, 1 l	11.45	*04*,04	B
3891	13	k 2, 1 l	11.45	*04*,04	B
3930	13	m 1, N	*12.0*		B
3997	11	m 1, N	*12.0*		B
4108	15	l 2, N	*11.7*		B
4147	14	h 1, 2 k	10.95	*06*,06	B
4153	10	g 2, 1 h	10.68	*01*,01	B
4163	10	g 3, 2 h	10.68	09,*09*	B
4182	10	h 1, 2 k	10.95	*06*,06	B
4202	10	h 2, 2 k	11.00	*01*,01	B
4244	10	m 1, N	*12.0*		B
4482	11	g 1, 2 h	10.58	*01*,01	B
4529	10	f 1, 1 g	10.30	*08*,07	B
4588	10	m 1, 2 n	12.09	*05*,05	B
4650	12	m 2, N	*12.1*		B
4855	15	e 1, 1 f	9.93	*09*,09	B
4861	10	e 1, 1 f	9.93	*09*,09	B
4861	13	f 1, 2 g	10.24	*02*,03	B
4865	75	e 2, 2 f	9.93	01,*01*	B
4869	10	f 1, 1 g	10.30	*08*,07	B

9. *022260.* S Horologii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4875	66	g 1, 2 h	10.58	*01*,01	B
4885	10	h 1, 2 k	10.95	*06*,06	B
4891	65	h 2, 2 k	11.00	*01*,01	B
4893	*68*	h 2, 1 k	11.05	*06*,06	B
4904	11	k 2, 2 l	11.40	01,*01*	B
4907	49	k 2, 1 l	11.45	*04*,04	B
4910	52	l 1, 2 m	11.72	*03*,02	B
4921	11	l 1, 2 m	11.72	*03*,02	B
4941	10	m 1	12.04	A	B
4979	21	n 1, N	*12.4*		B
5268	10	m 1	12.04	A	B
5274	10	m 1	12.04	A	B
5285	73	m 2	12.14	A	B
5287	60	m 2	12.14	A	B
5297	11	m 2	12.14	A	B
5588	10	k 3, 2 l	11.45	06,*06*	B
5590	58	h 3, 2 k	11.05	04,*04*	B
5619	62	l 2, 3 m	11.72	07,*08*	B
5620	60	l 2, 2 m	11.76	03,*02*	B
5634	10	l 2, 1 m	11.82	*03*,02	B
5652	10	m 1, N	*12.0*		B
5763	60	n 3, 1 o	12.62	02,*03*	B
5947	10	m 1, N	*12.0*		B
6033	10	n 2, N	*12.5*		B
6131	61	n 2, N	*12.5*		B
6166	65	g 1, 2 h	10.58	*01*,01	B
6359	10	n 2, N	*12.5*		B
6695	10	n 2, N	*12.5*		B
6855	60	d 3, 2 e	9.62	07,*08*	B
7049	10	n 1, N	*12.4*		B
7125	14	n 1, N	*12.4*		B
7168	10	h 2, 2 k	11.00	*01*,01	B
7172	60	h 1, 2 k	10.95	*06*,06	B
7172	66	h 2, 2 k	11.00	*01*,01	B
7174	120	g 3, 2 h	10.68	09,*09*	B
7184	60	g 2, 3 h	10.58	09,*09*	B
7184	60	g 2, 3 h	10.58	09,*09*	B
7185	90	g 3, 2 h	10.68	09,*09*	B
7185	86	g 2, 2 h	10.63	04,*04*	B
7193	60	f 2, 1 g	10.34	*02*,03	B
7195	61	f 2, 2 g	10.30	02,*03*	B

11. 023133. R Trianguli.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
0583	*61*	b 0	7.19	A	F
0656	*60*	f 0	9.91	A	F
1368	*13*	b 4, 2 c	7.54	05,*05*	B
1636	15	a 2, 1 b	7.13	04,*04*	B
1654	*36*	2 b	6.99	A	F
1656	*60*	3 b	6.89	A	F
1658	15	b 4, 3 c	7.49	10,*10*	B
1672	12	a 3, 2 b	7.13	14,*14*	B
1676	10	c 2, 3 d	7.76	03,*02*	B
1684	11	d 3, 2 e	8.42	*08*,07	B
1706	20	d 6, 1 e	8.61	03,*02*	Bd
1736	11	f 6	10.51	A	F
1739	37	g 3, 2 h	10.91	*10*,10	F
1753	14	h 2, 2 k	11.56	*15*,15	Be
1753	13	g 3, 1 h	10.96	*15*,15	B
1763	12	h 2, 3 k	11.51	*10*,10	B
1808	11	f 3	10.21	A	B
2056	35	h 2, 4 k	11.46	*05*,05	B
2064	12	g 3, 2 h	10.91	*10*,10	B
2067	14	g 2, 3 h	10.81	*10*,10	B
2069	24	g 3, 2 h	10.91	*10*,10	B
2086	13	f 2, 2 g	10.21	*10*,10	B
2099	16	f 1, 2 g	10.16	*15*,15	B
2119	12	c 2, 1 d	7.92	*03*,02	B
2138	14	b 1, 2 c	7.39	*10*,10	B
2416	16	a 2, 1 b	7.13	04,*04*	B
2423	14	a 2, 1 b	7.13	04,*04*	B
2438	10	a 1, 0 b, 2 c	7.25	*18*,*06*, 24	B
"	"	a 2, 1 b	7.13	04,*04*	B
2467	13	c 2, 1 d	7.92	*03*,02	B
2480	13	c 3, 1 d	7.96	03,*02*	F
2481	10	c 3, 1 d	7.96	03,*02*	B
"	"	c 4, 0 d, 5 e	8.11	*02*,*07*, 08	F
2698	13	b 1, 2 c	7.39	*10*,10	B
2729	28	b 2, 0 c, 2 d	7.64	*25*,05, 20	B
"	"	c 3, 1 d	7.96	03,*02*	B
2744	10	c 3, 5 d	7.76	23,*22*	B
"	"	c 3, 2 d	7.92	07,*08*	B
2794	10	f 1, 2 g	10.16	*15*,15	B
2821	10	g 2, 3 h	10.81	*10*,10	B
3121	18	h 2, 2 k	11.56	*15*,15	B
3140	15	h 2, 4 k	11.46	*05*,05	B
3173	21	2 f	9.71	A	B
3178	10	e 9, 1 f	9.70	*11*,11	B
3196	15	d 3, 3 e	8.36	*02*,03	Bd
3223	11	b 2, 2 c	7.44	*05*,05	B
3223	11	b 4, 2 c	7.54	05,*05*	Fr
"	11	b 5, 1 c	7.69	00,00	L
3230	19	a 4, 2 b	7.18	19,*19*	Fd
3405	10	g 3, 4 h	10.81	00,00	B
3504	19	a 2, 0 b, 2 c	7.28	*11*,*09*, 21	B
3548	10	d 1, 3 e	8.26	*12*,13	B
3548	20	d 2, 2 e	8.36	*12*,13	B
3589	10	e 8, 3 f	9.55	*06*,06	B
3771	13	a 2, 0 b, 2 c	7.28	*11*,*09*, 21	B
3799	10	b 2, 1 c	7.49	*10*,10	B
3799	10	c 1, 1 d	7.86	*07*,08	B
3820	10	d 4, 1 e	8.52	*08*,07	B
3852	12	e 6, 3 f	9.45	*16*,16	B
3878	10	g 2, 4 h	10.76	*05*,05	B
3905	14	h 2, 1 k	11.61	*20*,20	B
3920	10	k 2, 2 l	12.08	03,*02*	B
3951	16	g 3, 3 h	10.86	*05*,05	B
3965	15	e 2, 2f	9.80	09,*09*	B
4139	13	f 1, 2 g	9.16	*15*,15	B
4143	10	f 2, 1 g	10.26	*15*,15	B
4176	10	h 1, 5 k	11.36	*05*,05	B
4207	12	h 3	11.51	A	B
"	"	h 2, 3 k	11.51	*10*,10	B
4213	11	h 2, 2 k	11.56	*15*,15	B
4233	21	e 7, 2 f	9.55	*16*,16	Be
4233	15	f 2, 2 g	10.21	*10*,10	B
4235	11	f 1, 5 g	10.01	00,00	B
4259	10	d 2, 1 e	8.42	*18*,17	B
4282	20	c 2, 3 d	7.82	07,*08*	B
4289	10	b 2, 2 c	7.44	*05*,05	B
4324	12	b 1, 2 c	7.39	*10*,10	B
4587	64	a 3, 2 b	7.13	14,*14*	B
4596	12	c 2, 1 d	7.92	*03*,02	B
4640	62	e 5, 4 f	9.35	*16*,16	B
4647	14	3 f	9.61	A	B
4680	11	g 2, 2 h	10.86	*15*,15	B
4682	14	g 3, 1 h	10.96	*15*,15	B
4706	17	k 2, 1 l	12.14	*03*,02	B
4942	10	g 4, 1 h	11.01	*10*,10	B
4966	70	h 3	11.51	A	B
5024	60	g 2, 3 h	10.81	*10*,10	B
5026	28	g 3, 4 h	10.81	00,00	B
5039	87	1 f	9.81	A	B
5041	62	e 6, 3 f	9.45	*16*,16	B
5057	14	e 4, 6 f	9.20	*11*,11	B

11. 023133. R TRIANGULI.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5066	10	d 2, 2 e	8.36	*12*,13	B
5077	70	d 1, 2 e	8.32	*18*,17	B
5078	60	d 1, 2 e	8.32	*18*,17	B
5082	60	c 1, 1 d	7.86	*07*,08	B
5090	30	3 c	7.39	A	Be
5090	10	b 2	7.39	A	Be
5096	60	c 2, 3 d	7.82	07,*08*	B
5117	10	3 d	7.74	A	Be
5258	120	h 2, 2 k	11.56	*15*,15	B
5260	120	k 1, N	*12.0*		Be
5261	150	k 2	12.11	A	Be
5264	62	h 3	11.51	A	B
5265	109	h 2, 2 k	11.56	*15*,15	B
5266	120	h 2, 2 k	11.56	*15*,15	B
5266	60	g 3, 2 h	10.91	*10*,10	B
"	"	h 2	11.41	A	B
5267	120	h 2, 3 k	11.51	*10*,10	B
5267	120	h 2, 2 k	11.56	*15*,15	B
5267	120	h 3, 3 k	11.56	*05*,05	B
5281	78	g 3, 2 h	10.91	*10*,10	B
5282	30	g 2	10.71	A	B
5287	120	g 2, 3 h	10.81	*10*,10	B
5368	71	a 2, 3 b	7.03	14,*14*	B
5394	10	b 1, 2 c	7.39	*10*,10	B
5394	5	b 2, 1 c	7.49	*10*,10	B
5403	17	c 2, 1 d	7.92	*03*,02	B
5404	*57*	b 3, 2 c	7.49	00,00	B
5407	79	b 2, 1 c	7.49	*10*,10	B
5414	61	c 2, 3 d	7.82	07,*08*	B
5424	10	d 2, 2 e	8.36	*12*,13	B
5434	64	e 6, 4 f	9.40	*11*,11	B
5435	66	e 7, 4 f	9.45	*06*,06	B
5442	30	e 4	9.09	A	B
5442	56	e 6, 4 f	9.40	*11*,11	B
5443	77	e 7, 4 f	9.45	*06*,06	B
5444	10	e 5, 4 f	9.35	*16*,16	B
5450	10	f 2, 3 g	10.16	*05*,05	B
"	"	1 f	9.81	A	B
5450	67	e 6, 4 f	9.40	*11*,11	B
5626	15	b 1, 2 c	7.39	*10*,10	B
5632	70	a 3, 1 b	7.18	09,*09*	B
5640	86	a 2, 2 b	7.08	09,*09*	B
5641	75	a 3, 2 b	7.13	14,*14*	B
5661	68	a 3, 1 b	7.18	09,*09*	B
5661	21	c 1, 2 d	7.82	*03*,02	B
5661	13	b 2, 1 c	7.49	*10*,10	B
5666	67	c 1, 2 d	7.82	*03*,02	B

11. 023133. R TRIANGULI.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5698	65	e 4, 7 f	9.15	*06*,06	B
5751	59	g 3, 2 h	10.91	*10*,10	B
5751	107	g 3, 1 h	10.96	*15*,15	Bd
5755	83	h 2, 3 k	11.51	*10*,10	B
5759	69	g 3, 2 h	10.91	*10*,10	B
5762	61	h 2, 3 k	11.51	*10*,10	B
5770	62	h 0	11.21	A	Fd
5774	108	g 3, 2 h	10.91	*10*,10	B
5974	35	e 4, 6 f	9.20	*11*,11	B
5974	*31*	3 f	9.61	A	B
5976	108	e 7, 4 f	9.45	*06*,06	B
6003	69	f 2, 1 g	10.26	*15*,15	B
6033	74	g 3, 2 h	10.91	*10*,10	B
6048	68	h 2, 3 k	11.51	*10*,10	B
6052	84	g 4, 2 h	10.96	*05*,05	B
6076	95	g 2, 3 h	10.81	*10*,10	B
6090	44	f 2	10.11	A	B
6092	53	f 1, 2 g	10.16	*15*,15	B
6102	10	e 6, 4 f	9.40	*11*,11	B
6103	57	e 6, 4 f	9.40	*11*,11	B
6104	65	e 7, 4 f	9.45	*06*,06	B
6107	13	4 f	9.51	A	B
6111	59	e 4, 5 f	9.25	*16*,16	B
6114	62	e 6, 4 f	9.40	*11*,11	B
6115	80	e 4, 6 f	9.20	*11*,11	B
6124	60	d 4, 1 e	8.52	*08*,07	B
6127	66	d 1, 2 e	8.32	*18*,17	B
6128	72	d 3, 3 e	8.36	*02*,03	B
6132	66	d 1, 3 e	8.26	*12*,13	B
6133	81	c 2, 1 d	7.92	*03*,02	B
6136	63	c 2, 2 d	7.86	03,*02*	B
6137	61	d 1, 3 e	8.26	*12*,13	B
6146	11	2 b	6.99	A	Be
6153	75	a 2, 2 b	7.08	09,*09*	B
6155	61	a 3, 2 b	7.13	14,*14*	B
6160	65	a 2, 2 b	7.08	09,*09*	B
6165	63	a 2, 2 b	7.08	09,*09*	B
6165	11	a 2, 3 b	7.03	14,*14*	B
6169	58	a 2, 2 b	7.08	09,*09*	B
6175	68	a 2, 2 b	7.08	09,*09*	B
6342	36	f 3, 1 g	10.31	*10*,10	B
6360	10	f 1, 2 g	10.16	*15*,15	B
6371	44	e 6, 4 f	9.40	*11*,11	B
6376	90	e 4, 6 f	9.20	*11*,11	B
6381	70	e 3	8.99	A	B
6382	71	d 2, 1 e	8.42	*18*,17	B
6384	80	d 3, 1 e	8.46	*12*,13	B

11. 023133. R TRIANGULI.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6401	61	c 2, 3 d	7.82	07,*08*	B
6407	70	b 2, 1 c	7.49	*10*,10	B
6414	78	b 1, 2 c	7.39	*10*,10	B
6418	63	a 3, 2 b	7.13	14,*14*	B
6418	66	a 3, 2 b	7.13	14,*14*	B
6426	68	a 2, 2 b	7.08	09,*09*	B
6427	75	a 2, 1 b	7.13	04,*04*	B
6444	59	a 2, 1 b	7.13	04,*04*	B
6447	60	a 2, 2 b	7.08	09,*09*	B
6455	65	b 2, 2 c	7.44	*05*,05	B
6455	66	b 2, 2 c	7.44	*05*,05	B
5459	72	b 2, 2 c	7.44	*05*,05	B
6462	65	c 1, 2 d	7.82	*03*,02	B
6463	45	b 2, 1 c	7.49	*10*,10	B
6466	47	c 2, 3 d	7.82	07,*08*	B
6467	77	c 2, 2 d	7.86	03,*02*	B
6471	52	c 2, 3 d	7.82	07,*08*	B
6477	70	d 2, 3 e	8.32	*08*,07	B
6484	61	d 3, 3 e	8.36	*02*,03	B
6487	63	d 3, 2 e	8.42	*08*,07	B
6499	59	e 6, 4 f	9.40	*11*,11	B
6522	63	f 3, 3 g	10.21	00,00	B
6523	65	e 5, 3 f	9.40	*21*,21	B
6683	58	a 3, 2 b	7.13	14,*14*	B
6711	69	a 3, 2 b	7.13	14,*14*	B
6714	57	a 3, 3 b	7.08	19,*19*	B
6719	56	a 3, 3 b	7.08	19,*19*	B
6721	60	a 2, 2 b	7.08	09,*09*	B
6722	60	a 3, 2 b	7.13	14,*14*	B
6730	60	b 2, 3 c	7.39	00,00	B
6739	68	c 2, 3 d	7.82	07,*08*	B
6741	61	c 1, 2 d	7.82	*03*,02	B
6743	58	d 1, 3 e	8.26	*12*,13	B
6754	54	d 3, 3 e	8.36	*02*,03	B
6756	55	d 3, 2 e	8.42	*08*,07	B
6758	56	d 3, 2 e	8.42	*08*,07	B
6770	55	e 6, 4 f	9.40	*11*,11	B
6783	58	g 3, 2 h	10.91	*10*,10	Bd
6799	57	g 2, 3 h	10.81	*10*,10	B
6800	68	g 2, 3 h	10.81	*10*,10	B
6802	143	g 3, 2 h	10.91	*10*,10	B
6803	60	g 3, 3 h	10.86	*05*,05	B
6804	62	g 2	10.71	A	B
6810	69	h 2, 1 k	11.61	*20*,20	Be
"	"	h 3, 1 k	11.66	*15*,15	F
"	"	h 2, 2 k	11.56	*15*,15	L
6810	11	g 3, 2 h	10.91	*10*,10	B

11. 023133. R Trianguli.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6810	11	g 3, 1 h	10.96	*15*,15	Fr
"	"	h 0	11.21	A	L
6823	63	h 3	11.51	A	B
6826	56	h 2, 2 k	11.56	*15*,15	F
6831	14	h 2, 2 k	11.56	*15*,15	B
6877	76	h 3, 2 k	11.61	*10*,10	B
6877	71	h 3, 3 k	11.56	*05*,05	B
6880	64	g 3, 3 h	10.86	*05*,05	B
6884	60	g 2, 3 h	10.81	*10*,10	B
6888	76	g 3, 3 h	10.86	*05*,05	B
6890	60	g 3, 2 h	10.91	*10*,10	B
6902	71	f 2, 1 g	10.26	*15*,15	B
6918	69	e 3, 7 f	9.10	*11*,11	B
6922	51	e 2, 6 f	9.10	*21*,21	B
7136	74	g 3, 1 h	10.96	*15*,15	B
7140	61	g 3, 2 h	10.91	*10*,10	B
7141	42	g 3, 2 h	10.91	*10*,10	B
7151	75	f 2, 2 g	10.21	*10*,10	B
7194	88	d 1, 3 e	8.26	*12*,13	B

14. *025050.* R Horologii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1240	60	b 3, 2 c	6.96	*15*,15	B
1243	60	c 3, 5 d	7.70	*09*,09	F
1253	10	c 4, 3 d	7.85	*14*,14	B
1270	14	c 2, 2 d	7.80	*29*,29	B
1311	13	f 3, 2 g	9.62	13,*12*	B
1619	62	c 2, 5 d	7.65	*14*,14	B
1986	*62*	a 3, 4 b	5.87	*24*,24	B
1987	*60*	6 c	6.71	A	Be
2378	10	1 c	7.21	A	Be
"	"	6 c	6.71	A	F
"	"	4 c	6.91	A	L
2378	13	6 c	6.71	A	Bd
2442	*66*	c 2, 3 d	7.75	*24*,34	B
2476	10	e 2, 3 f	8.96	*19*,19	Bd
2476	11	d 2, 1 e	8.48	01,*01*	Bd
2670	12	l 2, 1 m	11.47	*11*,11	B
2672	11	k 2, 0 l, 3 m	11.17	*21*,*01*, 21	B
2672	10	l 2, 2 m	11.42	*06*,06	B
2744	10	c 2, 1 d	7.85	*34*,34	B
2785	15	b 1, 4 c	6.76	*15*,15	B
"	"	5 c	6.81	A	L
2786	10	1 c	7.21	A	Be
"	"	4 c	6.91	A	B

14. *025050.* R Horologii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
2786	10	3 c	7.01	A	Lr
3012	13	m 1, N	*11.7*		B
3086	10	l 3, 0 m	11.57	*11*,11	B
3142	12	h 3, 2 k	10.42	*14*,14	B
3145	10	h 3, 0 k, 2 l	10.67	*39*,09, 29	B
3145	10	h 2, 1 k	10.42	*24*,24	B
3145	10	h 3, 1 k	10.47	*19*,19	B
3175	10	c 2, 1 d	7.85	*34*,34	B
3219	12	a 2, 1 b	5.97	*44*,44	B
3371	12	h 3, 2 k	10.42	*14*,14	B
3383	10	k 1, 2 l	10.91	*05*,05	B
3409	10	l 2, 1m	11.47	*11*,11	B
3442	11	m 1, 2 n	11.82	*04*,04	B
3443	10	m 2, 1 n	11.92	*04*,04	B
3497	10	l 1, 2 m	11.37	*11*,11	B
3499	16	l 2, 1 m	11.47	*11*,11	B
3542	15	k 2, 3 l	10.91	05,*05*	B
3569	10	c 1, 2 d	7.75	*34*,34	B
3592	11	b 1, 1 c	6.91	*30*,30	B
3626	14	a 2, 3 b	5.87	*34*,34	B
3652	10	c 1, 5 d	7.60	*19*,19	B
3724	25	d 1, 1 e	8.43	*04*,04	B
3730	10	e 2, 3 f	8.96	*19*,19	B
3751	16	f 2, 0 g, 1 h	9.74	*09*,*04*, 14	B
3762	14	g 2, 1 h	9.89	01,*01*	B
3785	12	h 4, 1 k	10.52	*14*,14	B
3789	10	k 1, 2 l	10.91	*05*,05	B
3797	15	k 1, 1 l	10.96	*10*,10	B
3797	13	k 1, 2 l	10.91	*05*,05	B
3797	12	k 1, 2 l	10.91	*05*,05	B
3829	15	l 3, 1 m	11.52	*06*,06	B
3839	14	l 1, 1 m	11.42	*16*,16	B
3860	13	m 1, 1 n	11.87	*09*,09	B
3877	10	l 2, 1 m	11.47	*11*,11	B
3889	13	l 2, 2 m	11.42	*06*,06	B
3891	10	l 2, 2 m	11.42	*06*,06	B
3930	14	h 1, 2 k	10.32	*24*,24	B
3959	10	e 3, 2 f	9.06	*19*,19	B
3997	12	a 2, 5 b	5.77	*24*,24	Bde
3997	10	a 2, 2 b	5.92	*39*,39	Be
4037	14	a 2, 2 b	5.92	*39*,39	B
4109	10	e 1, 2 f	8.96	*29*,29	B
4147	11	g 2, 1 h	9.89	01,*01*	B
4153	10	f 1, 0 g, 2 h	9.68	*13*,02, 10	Bd

14. *025050.* R Horologii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4163	10	k 2	10.96	A	B
4182	12	h 2, 1 k	10.42	*24*,24	B
4279	10	m 1, N	*11.7*		B
"	"	m 3, N	*11.9*		L
4529	10	e 1, 1 f	9.01	*34*,34	B
4576	10	h 2	10.18	A	B
4576	10	h 1, 1 k	10.37	*29*,29	B
4597	10	k 1, 1 l	10.96	*10*,10	B
4605	51	2 l	10.96	A	Be
4606	10	k 3, 1 l	11.06	00,00	B
4615	10	l 2	11.36	A	B
4861	12	c 1, 2 d	7.75	*34*,34	B
4862	10	0 c	7.31	A	Le
4865	10	2 c	7.11	A	Bd
"	"	1 c	7.21	A	L
4865	75	c 3, 2 d	7.85	*24*,24	B
"	"	c 1	7.41	A	L
4869	62	c 2, 3 d	7.75	*24*,24	B
"	"	c 1	7.41	A	L
4875	*71*	c 3, 1 d	7.90	*29*,29	B
4891	10	2 c	7.11	A	B
"	"	4 c	6.91	A	L
4891	82	c 3, 1 d	7.90	*29*,29	Bd
"	"	c 4, 2 d	7.90	*19*,19	L
4892	10	c 1, 1 d	7.80	*39*,39	B
4899	60	c 3, 2 d	7.85	*24*,24	B
4903	16	c 2, 1 d	7.85	*34*,34	B
4904	60	c 2, 1 d	7.85	*34*,34	B
4905	*25*	d 2, 3 e	8.38	11,*11*	B
4907	72	d 1, 2 e	8.38	01,*01*	B
4921	11	e 1, 3 f	8.91	*24*,24	B
4924	63	d 1, 2 e	8.38	01,*01*	B
"	"	e 2	8.77	A	L
4926	239	e 3, 3 f	9.01	*14*,14	B
4926	250	e 1, 5 f	8.81	*14*,14	B
4927	10	e 1, 4 f	8.86	*19*,19	B
4927	65	e 1, 3 f	8.91	*24*,24	B
4928	66	e 3, 4 f	8.96	*09*,09	B
4928	12	e 2, 3 f	8.96	*19*,19	B
4930	64	e 3, 4 f	8.96	*09*,09	B
4939	63	e 4, 2 f	9.11	*14*,14	B
4941	60	e 3, 2 f	9.06	*19*,19	B
4941	10	e 1, 2 f	8.96	*29*,29	B
4942	10	d 2, 2 e	8.43	06,*06*	B
4953	60	d 2, 1 e	8.48	01,*01*	B
4953	66	e 4, 3 f	9.06	*09*,09	B
4954	65	e 4, 2 f	9.11	*14*,14	B

14. *025050.* R Horologii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4972	65	f 3, 2 g	9.62	13,*12*	B
4979	61	g 2, 2 h	9.84	06,*06*	B
4980	67	g 1, 2 h	9.79	01,*01*	B
4980	10	e 4, 2 f	9.11	*14*,14	B
4987	69	g 2, 2 h	9.84	06,*06*	B
4990	62	h 2	10.18	A	B
4993	*60*	l 2	11.36	A	Be
“	“	l 2	11.36	A	B
5000	10	k 1, 2 l	10.91	*05*,05	B
5261	10	c 1, 3 d	7.70	*29*,29	B
5263	60	a 4, 3 b	5.97	*24*,24	B
“	“	3 b	6.21	A	B
“	“	2 b	6.31	A	L
5264	10	c 2, 2 d	7.80	*29*,29	B
5266	10	c 1, 1 d	7.80	*39*,39	B
5266	60	a 3, 3 b	5.92	*29*,29	B
“	“	3 b	6.21	A	B
“	“	2 b	6.31	A	L
5268	60	a 3, 2 b	5.97	*34*,34	B
“	“	3 b	6.21	A	B
“	“	2 b	6.31	A	L
5268	10	2 b	6.31	A	Bd
“	“	3 b	6.21	A	L
5268	10	c 1, 2 d	7.75	*34*,34	Be
“	“	2 c	7.11	A	B
5276	66	b 1, 2 c	6.86	*25*,25	B
5280	60	b 2, 3 c	6.86	*15*,15	Bd
“	“	2 c	7.11	A	L
5284	70	b 1, 1 c	6.91	*30*,30	B
“	“	b 1, 2 c	6.86	*25*,25	B
“	“	3 c	7.01	A	L
5286	61	c 2, 1 d	7.85	*34*,34	B
5296	11	c 2, 2 d	7.80	*29*,29	B
5308	61	c 1, 2 d	7.75	*34*,34	B
5308	60	c 3, 1 d	7.90	*29*,29	B
5325	62	e 1, 3 f	8.91	*24*,24	B
5585	63	e 2, 3 f	8.96	*19*,19	B
5590	58	c 3, 2 d	7.85	*24*,24	B
5593	10	b 2, 1 c	6.96	*25*,25	B
5599	67	a 3, 1 b	6.02	*39*,39	B
5604	10	a 4, 2 b	6.02	*29*,29	B
5609	65	a 3, 3 b	5.92	*29*,29	B
5614	60	a 3, 3 b	5.92	*29*,29	B
5633	60	a 4, 3 b	5.97	*24*,24	B
5634	10	a 2, 2 b	5.92	*39*,39	B
5634	61	a 3, 3 b	5.92	*29*,29	B
5652	10	a 2, 2 b	5.92	*39*,39	B
5701	61	c 3, 1 d	7.90	*29*,29	B
5702	60	c 2, 2 d	7.80	*29*,29	B
5724	60	e 3, 3 f	9.01	*14*,14	B
5730	10	e 3, 3 f	9.01	*14*,14	B
5730	60	e 4, 3 f	9.06	*09*,09	B
5739	66	e 1, 3 f	8.91	*24*,24	B
5747	11	e 4, 2 f	9.11	*14*,14	Bd
“	“	e 5, 2 f	9.16	*09*,09	L
5946	10	k 1	10.86	A	Ld
5947	10	h 3, 3 k	10.37	*09*,09	B
“	“	h 7, 2 k	10.62	06,*06*	L
5955	10	h 3, 2 k	10.42	*14*,14	B
“	“	h 5, 2 k	10.52	*04*,04	L
5955	63	h 5, 2 k	10.52	*04*,04	Bd
“	“	h 6, 1 k	10.62	*04*,04	L
5956	60	h 3, 2 k	10.42	*14*,14	B
“	“	h 6, 2 k	10.57	01,*01*	L
5983	60	c 3, 2 d	7.85	*24*,24	B
6013	61	a 3, 3 b	5.92	*29*,29	B
6017	62	a 3, 2 b	5.97	*34*,34	B
6025	61	a 3, 2 b	5.97	*34*,34	B
6027	60	a 3, 3 b	5.92	*29*,29	B
6032	10	a 3, 2 b	5.97	*34*,34	B
6032	60	b 2, 1 c	6.96	*25*,25	B
6032	10	b 2, 2 c	6.91	*20*,20	B
6032	60	b 1, 3 c	6.81	*20*,20	B
6043	60	b 1, 2 c	6.86	*25*,25	Bd
“	“	1 c	7.21	A	L
6043	10	b 1, 2 c	6.86	*25*,25	B
“	“	b 1, 2 c	6.86	*25*,25	B
“	“	3 c	7.01	A	L
6045	60	3 c	7.01	A	L
6060	60	c 2, 3 d	7.75	*24*,24	B
6071	61	c 3, 3 d	7.80	*19*,19	B
6072	60	c 3, 2 d	7.85	*24*,24	B
6079	61	c 2, 3 d	7.75	*24*,24	B
6087	63	c 2, 3 d	7.75	*24*,24	B
6101	50	c 3, 1 d	7.90	*29*,29	B
6118	64	c 4, 1 d	7.95	*24*,24	B
6130	60	e 3, 3 f	9.01	*14*,14	B
6130	12	d 3, 3 f	9.01	*14*,14	B
6130	64	e 2, 3 f	8.96	*19*,19	B
6166	65	e 3, 1 f	9.11	*24*,24	B
6290	61	h 2, 4 k	10.27	*09*,09	B
6302	60	f 3, 2 g	9.62	13,*12*	B
6311	60	f 1, 3 g	9.48	07,*08*	B
6320	65	e 4, 2 f	9.11	*14*,14	B
6327	10	e 3, 2 f	9.06	*19*,19	B
6339	10	e 2, 3 f	8.96	*19*,19	B
6339	10	e 2, 3 f	8.96	*19*,19	B
6344	61	e 1, 3 f	8.91	*24*,24	B
6355	62	c 3, 2 d	7.85	*24*,24	B
6358	60	c 3, 2 d	7.85	*24*,24	B
“	“	c 3, 2 d	7.85	*24*,24	B
“	“	c 2, 3 d	7.75	*24*,24	L
6359	60	c 1, 3 d	7.70	*29*,29	Bd
“	“	c 1, 3 d	7.70	*29*,29	L
6359	60	c 3, 1 d	7.90	*29*,29	B
6361	79	c 3, 1 d	7.90	*29*,29	B
6375	61	a 3, 4 b	5.87	*24*,24	B
6388	63	a 2, 3 b	5.87	*34*,34	B
6400	60	a 1, 3 b	5.82	*39*,39	B
6402	60	a 2, 4 b	5.82	*29*,29	B
6407	66	a 1, 3 b	5.82	*39*,39	B
6419	62	a 2, 3 b	5.87	*34*,34	B
6432	68	a 3, 4 b	5.87	*24*,24	B
6437	10	a 2, 3 b	5.87	*34*,34	B
6438	65	a 3, 3 b	5.92	*29*,29	B
6446	71	a 3, 3 b	5.92	*29*,29	B
6446	10	a 4, 3 b	5.97	*24*,24	B
6459	42	a 3, 2 b	5.97	*34*,34	B
6459	60	a 2, 1 b	5.97	*44*,44	B
6461	59	a 3, 3 b	5.92	*29*,29	B
6467	62	a 3, 1 b	6.02	*39*,39	B
6492	11	c 5, 2 d	7.95	*14*,14	Bd
“	“	c 6, 1 d	8.05	*14*,14	L
6494	66	c 3, 1 d	7.90	*29*,29	B
“	“	d 0	8.29	A	L
6501	59	e 1, 3 f	8.91	*24*,24	B
“	“	e 4	8.97	A	L
6515	67	e 3, 3 f	9.01	*14*,14	B
6655	45	l 3, 1 m	11.52	*06*,06	B
6694	10	k 2, 3 l	10.91	05,*05*	B
6698	60	k 1	10.86	A	B
6712	62	h 3, 1 k	10.47	*19*,19	B
6713	10	h 3, 3 k	10.37	*09*,09	B
6724	10	h 2, 3 k	10.32	*14*,14	B
6724	68	h 3, 3 k	10.37	*09*,09	B
6726	65	h 3, 2 k	10.42	*14*,14	B
6727	61	g 3, 2 h	9.89	11,*11*	B
6731	66	h 2, 3 k	10.32	*14*,14	B
6744	10	e 3, 1 f	9.11	*24*,24	B
6745	10	e 3, 2 f	9.06	*19*,19	B
6754	61	e 3, 3 f	9.01	*14*,14	B

14. *025050.* R HOROLOGII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6760	60	e 3, 3 f	9.01	*14*,14	B
6761	10	c 3, 1 d	7.90	*29*,29	B
"	"	c 5, 1 d	8.00	*19*,19	L
6766	62	c 3, 2 d	7.85	*24*,24	B
6769	60	c 3, 1 d	7.90	*29*,29	B
6789	62	a 4, 3 b	5.97	*24*,24	B
6789	61	a 3, 1 b	6.02	*39*,39	B
6799	67	a 3, 2 b	5.97	*34*,34	B
6818	60	a 4, 2 b	6.02	*29*,29	B
6823	61	a 3, 2 b	5.97	*34*,34	B
6855	60	c 3, 2 d	7.85	*24*,24	B
6860	60	c 3, 2 d	7.85	*24*,24	B
7020	60	m 1, N	*11.7*		B
7068	10	l 2, 3 m	11.37	*01*,01	B
7075	10	l 1	11.26	A	B
7077	10	l 1, 2 m	11.37	*11*,11	B
7080	62	k 2, 2 l	10.96	00,00	B
7095	62	h 3, 4 k	10.32	*04*,04	B
7097	60	k 2, 3 l	10.91	05,*05*	B
"	"	k 1, 3 l	10.86	00,00	L
7108	63	h 3, 2 k	10.42	*14*,14	B
7108	60	h 3, 2 k	10.42	*14*,14	B
7122	63	h 2, 3 k	10.32	*14*,14	B
7139	70	e 4, 2 f	9.11	*14*,14	B
7151	60	e 3, 3 f	9.01	*14*,14	B
7167	12	a 2, 3 b	5.87	*34*,34	B
7168	11	a 3, 2 b	5.97	*34*,34	B
7172	66	a 3, 2 b	5.97	*34*,34	B
7184	60	a 3, 3 b	5.92	*29*,29	B
7195	61	a 3, 3 b	5.92	*29*,29	B

15. *031401.* X CETI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
0928	18	k 3, 1 l	12.10	05,*05*	F
1356	61	d 2, 3 e	10.34	05,*05*	F
1360	62	c 4, 1 d	10.16	06,*07*	F
1372	14	d 4, 1 e	10.54	05,*05*	F
1377	58	c 5, 0 d, 4 e	10.23	09,*04*, *04*	F
1382	56	d 2, 2 e	10.39	00,00	F
1730	11	d 5, 0 e, 4 f	10.65	04,*06*, 01	F
1803	10	e 4, N	*10.9*		F
1993	10	g 1, 3 h	11.36	03,*04*	F
1993	10	f 2, 2 g	11.18	08,*09*	F
1996	10	g 3, 2 h	11.50	09,*08*	F
2068	13	f 1, N	*11.1*		B
2075	19	e 4, 1 f	10.98	01,*02*	B
2077	12	e 1, 4 f	10.68	01,*02*	F
2085	10	d 4, 1 e	10.54	05,*05*	F
2103	11	c 4, 0 d	10.20	02,*01*	Fe
2375	. .	k 1, 2 l	11.95	00,00	F
"	"	h 2, 0 k, 3 l	11.84	*02*,01, 01	L
"	"	h 3, 0 k, 2 l	11.91	01,*06*, 04	F
2456	7	e 3, 2 f	10.88	01,*02*	F
2461	13	e 1, 4 f	10.68	01,*02*	F
2467	11	d 2, 3 e	10.34	05,*05*	B
2719	16	e 1, 3 f	10.72	*03*,04	B
2724	13	e 1, 4 f	10.68	01,*02*	F
2727	27	e 3, 2 f	10.88	01,*02*	F
2727	21	e 4, 1 f	10.98	01,*02*	F
2794	10	m 3, 1 n	12.82	00,00	Lde
2796	35	m 1, 1 n	12.72	*10*,10	B
"	"	m 2, 1 n	12.77	*05*,05	L
"	"	m 2, 1 n	12.77	*05*,05	F
2852	19	c 5, 0 d, 5 e	10.20	12,*01*, *11*	F
3026	12	d 2, 2 e	10.39	00,00	F
3057	10	c 1, 4 d	9.86	06,*07*	F
3149	10	m 4, 2 n	12.82	10,*10*	F
3149	10	m 3, 1 n	12.82	00,00	F
3213	*62*	c 3, 1 d	10.10	02,*01*	F
3214	*60*	d 2, 1 e	10.44	*05*,05	B
3412	10	c 1, 3 d	9.90	02,*01*	F
3435	11	c 3, 1 d	10.10	02,*01*	B
3448	10	e 3, 2 f	10.88	01,*02*	B
"	"	e 4, 3 f	10.88	11,*12*	L
3477	19	m 4, 1 n	12.87	05,*05*	F
3496	12	o 2, 1 p	13.50	*03*,02	B
3525	22	m 1, 1 n	12.72	*10*,10	B
"	"	n 1, 3 o	13.00	02,*03*	B
3526	10	o 1	13.37	A	B
3531	10	k 2, 0 l, 1 m	12.21	*16*,*06*, 21	B
3547	11	g 2, 1 h	11.50	*01*,02	B
3548	10	g 2, 1 h	11.50	*01*,02	B
3559	12	e 2, 0 f, 2 g	10.98	*19*,08, 11	B
3563	10	e 2, 1 f	10.88	*09*,08	B
3565	*61*	d 2, 1 e	10.44	*05*,05	B
3570	*67*	d 2, 1 e	10.44	*05*,05	B
3779	12	c 2, 3 d	9.96	06,*07*	B
3800	7	c 1, 0 d, 2 e	10.17	*25*,02, 22	B
3820	10	e 1, 3 f	10.72	*03*,04	B
3859	10	k 2, 0 l, 1 m	12.21	*16*,*06*, 21	B
3866	27	m 2, 1 n	12.77	*05*,05	B
3878	11	m 1, 1 n	12.72	*10*,10	B
3905	12	g 2, 0 h, 1 k	11.62	*13*,00, 13	B
3937	9	d 1, 1 e	10.39	*10*,10	B
3965	10	c 2, 1 d	10.06	*04*,03	B
3995	10	d 2, 1 e	10.44	*05*,05	B
4140	12	c 1, 2 d	9.96	*04*,03	B
4143	21	c 2, 2 d	10.00	02,*01*	Bd
"	"	c 1, 3 d	9.90	02,*01*	B
"	"	c 1, 2 d	9.96	*04*,03	L
4176	11	e 3	10.89	A	Bp
4183	10	e 2, 0 f, 1 g	11.01	*22*,05, 18	B
4233	17	m 3, 2 n	12.77	05,*05*	Bd
4253	35	g 2, 1 h	11.50	*01*,02	B
4259	14	g 1, 2 h	11.40	*01*,02	B
4289	10	e 1, 2 f	10.78	*09*,08	B
4324	10	d 2, 2 e	10.39	00,00	B
4594	11	e 2, 0 f, 1 g	11.01	*22*,05, 18	B
4619	10	e 1, 1 f	10.82	*13*,14	B
4667	*64*	d 2, 3 e	10.34	05,*05*	Bd
4674	10	d 2, 2 e	10.39	00,00	B
4711	14	e 1, 1 f	10.82	*13*,14	B
4870	78	e 3	10.89	A	B
4930	16	m 1, 1 n	12.72	*10*,10	B
4972	60	e 1, 2 f	10.78	*09*,08	B
4980	77	d 2, 0 e, 3 f	10.58	*19*,01, 18	B
4981	60	d 3, 2 e	10.44	05,*05*	B
4993	60	d 3, 2 e	10.44	05,*05*	B
5012	62	d 1, 3 e	10.29	00,00	B
5036	31	d 1, 3 e	10.29	00,00	B
5041	69	e 2, 3 f	10.78	01,*02*	B
5235	60	e 3, 4 f	10.78	11,*12*	B
5264	10	m 1, 1 n	12.72	*10*,10	B
5325	11	e 1, 2 f	10.78	*09*,08	B
5337	10	e 1, 3 f	10.72	*03*,04	B
5341	60	d 3, 1 e	10.49	00,00	B
5362	65	d 1, 2 e	10.34	*05*,05	B

15. *031401.* X Ceti.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5415	15	e 3, 3 f	10.82	07,*06*	B
5424	11	g 1, 3 h	11.36	03,*04*	B
5660	60	g 2, 1 h	11.50	*01*,02	B
5666	10	g 2, 2 h	11.46	03,*04*	B
5697	10	e 3	10.89	A	B
5697	61	d 2, 1 e	10.44	*05*,05	B
5719	77	d 2, 2 e	10.39	00,00	B
5719	117	c 3, 2 d	10.06	06,*07*	B
5725	53	c 3, 2 d	10.06	06,*07*	B
5737	118	c 3, 2 d	10.06	06,*07*	B
5737	12	c 1, 3 d	9.90	02,*01*	Bde
"	"	c 0, 3 d	9.86	*04*,03	F
5739	10	c 2, 1 d	10.06	*04*,03	B
"	"	d 1, 4 e	10.24	05,*05*	L
"	"	c 4, 1 d	10.16	06,*07*	F
5747	11	d 2, 1 e	10.44	*05*,05	B
5750	18	d 3, 1 e	10.49	00,00	B
5750	63	d 2, 2 e	10.39	00,00	B
5751	63	e 1, 3 f	10.72	*03*,04	B
5759	60	e 1, 3 f	10.72	*03*,04	B
5774	47	e 3, 3 f	10.82	07,*06*	B
5780	150	g 2, 2 h	11.46	03,*04*	B
5786	83	h 2, 2 k	11.74	08,*09*	B
5956	10	e 3, 1 f	10.92	*03*,04	B
5960	10	g 2, 3 h	11.40	09,*08*	B
6016	10	k 1, 2 l	11.95	00,00	B
6020	10	g 2, 2 h	11.46	03,*04*	B
6029	84	e 3, 2 f	10.88	01,*02*	B
6032	90	e 3, 2 f	10.88	01,*02*	B
6044	10	d 1, 2 e	10.34	*05*,05	B
6047	60	d 3, 3 e	10.39	10,*10*	B
6052	84	c 3, 0 d, 2 e	10.23	*11*,*04*, 16	B
6055	90	d 3, 3 e	10.39	10,*10*	B
6060	61	d 1, 0 e	10.44	*15*,15	B
6063	60	d 3, 3 e	10.39	10,*10*	B
6071	10	d 1, 3 e	10.29	00,00	B
6076	76	d 1, 2 e	10.34	*05*,05	B
6078	60	d 3, 2 e	10.44	05,*05*	B
6089	61	d 2, 0 e	10.49	*10*,10	B
6093	61	d 2, 1 e	10.44	*05*,05	B
6112	66	d 2, 0 e, 3 f	10.58	*19*,01, 18	B
6146	11	k 1, 2 l	11.95	00,00	B
6339	10	m 3, 3 n	12.72	10,*10*	B
6377	60	e 2, 3 f	10.78	01,*02*	B
6383	108	e 3, 1 f	10.92	*03*,04	B
6387	62	d 2, 1 e	10.44	*05*,05	B
6400	61	e 1, 3 f	10.72	*03*,04	B
6400	10	d 3, 2 e	10.44	05,*05*	B
6402	10	d 3, 3 e	10.39	10,*10*	B
6402	72	d 3, 2 e	10.44	05,*05*	B
6407	73	d 3, 2 e	10.44	05,*05*	B
6409	10	c 2, 1 d	10.06	*04*,03	B
6410	73	d 3, 3 e	10.39	10,*10*	B
6411	60	d 2, 1 e	10.44	*05*,05	B
6411	72	d 3, 3 e	10.39	10,*10*	B
6416	61	d 2, 3 e	10.34	05,*05*	B
6429	80	c 3, 2 d	10.06	06,*07*	B
6435	60	d 1, 3 e	10.29	00,00	B
6438	56	d 3, 3 e	10.39	10,*10*	B
6439	102	c 2, 0 d, 2 e	10.20	*18*,*01*, 19	B
6444	52	d 1, 2 e	10.34	*05*,05	B
6446	10	c 3, 2 d	10.06	06,*07*	B
6447	60	c 3, 3 d	10.00	12,*11*	B
6460	18	d 1, 1 e	10.39	*10*,10	B
6460	56	d 3, 2 e	10.44	05,*05*	B
6461	68	e 1, 4 f	10.68	01,*02*	B
6462	10	d 3, 3 e	10.39	10,*10*	B
6464	*103*	d 1, 3 e	10.29	00,00	B
6467	73	e 2, 2 f	10.82	*03*,04	B
6471	67	e 2, 3 f	10.78	01,*02*	B
6472	68	e 1, 0 f	10.88	*19*,18	B
6474	68	e 3	10.89	A	B
6477	69	e 3	10.89	A	B
6528	83	g 2	11.49	A	B
6694	10	k 2, 1 l	12.05	00,00	B
6733	61	e 3, 1 f	10.92	*03*,04	B
6741	61	e 3, 3 f	10.82	07,*06*	B
6741	16	d 3, 1 e	10.49	00,00	B
6744	10	e 2, 3 f	10.78	01,*02*	B
6744	61	e 3, 4 f	10.78	11,*12*	B
6745	60	e 3, 2 f	10.88	01,*02*	B
6745	10	e 3, 3 f	10.82	07,*06*	B
6755	103	d 1, 2 e	10.34	*05*,05	B
6756	59	d 2, 2 e	10.39	00,00	B
6758	10	d 2, 3 e	10.34	05,*05*	B
6761	59	c 2, 2 d	10.00	02,*01*	B
6761	62	c 2, 3 d	9.96	06,*07*	B
6766	10	c 3, 3 d	10.00	12,*11*	B
6769	10	b 2, 2 c	9.54	*09*,08	B
6775	74	b 2, 2 c	9.54	*09*,08	B
6784	72	c 2, 0 d, 2 e	10.20	*18*,*01*, 19	B
6785	60	c 3, 2 d	10.06	06,*07*	B
6785	10	c 3, 2 d	10.06	06,*07*	B
6786	*58*	c 2, 1 d	10.06	*04*,03	B
6786	60	d 3, 2 e	10.44	05,*05*	B
"	"	d 2, 3 e	10.34	05,*05*	L
"	"	d 1, 4 e	10.24	05,*05*	F
6789	71	c 3, 0 d, 3 e	10.20	*08*,*01*, 09	B
6794	60	d 2, 3 e	10.34	05,*05*	B
6796	60	d 3, 2 e	10.44	05,*05*	B
6803	63	e 1, 3 f	10.72	*03*,04	B
6811	66	f 2, 0 g, 2 h	11.32	*06*,*03*, 10	Bp
"	"	e 3, 1 f	10.92	*03*,04	L
"	"	e 5	11.09	A	F
6811	67	e 2, 3 f	10.78	01,*02*	Bp
"	"	e 4, 3 f	10.88	11,*12*	L
"	"	e 5	11.09	A	F
6813	61	e 3	10.89	A	B
6813	10	e 1, 3 f	10.72	*03*,04	B
6816	*63*	e 1, 2 f	10.78	*09*,08	B
6819	*50*	e 2, 3 f	10.78	01,*02*	B
6822	65	e 3, 0 f, 2 g	11.01	*12*,05, 08	B
6823	59	e 3, 2 f	10.88	01,*02*	B
6824	57	g 2, 1 h	11.50	*01*,02	Bp
"	"	h 1, 2 k	11.68	04,*03*	L
"	"	g 3, 1 h	11.56	03,*04*	F
6824	68	f 1, 2 g	11.12	04,*03*	B
"	"	f 3, 0 g, 4 h	11.29	07,00, *07*	L
"	"	f 4, 0 g, 4 h	11.32	14,*03*, *10*	F
6824	60	e 3, 2 f	10.88	01,*02*	Be
"	"	g 1, 3 h	11.36	03,*04*	L
"	"	e 4, 1 f	10.98	01,*02*	F
6827	47	e 3, 2 f	10.88	01,*02*	B
"	"	g 3, 1 h	11.56	03,*04*	B
"	"	g 1, 2 h	11.40	*01*,02	L
"	"	f 3, 5 h	11.24	12,*12*	F
6843	62	g 3, 1 h	11.56	03,*04*	B
"	"	k 1, 4 l	11.85	10,*10*	B
"	"	h 2, 0 k	11.84	*02*,01	L
"	"	k 1, 3 l	11.90	05,*05*	F
6850	84	h 1, 2 k	11.68	04,*03*	B
6884	77	g 2, 1 h	11.50	*01*,02	B

15. *031401.* X CETI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7075	10	e 3, 3 f	10.82	07,*06*	B
7076	10	e 3, 3 f	10.82	07,*06*	B
7080	60	e 2, 3 f	10.78	01,*02*	B
7098	61	d 2, 2 e	10.39	00,00	B
7098	60	c 3, 1 d	10.10	02,*01*	B
7098	10	c 3, 2 d	10.06	06,*07*	B
7107	10	d 3, 3 e	10.39	10,*10*	B
7122	65	d 2, 2 e	10.39	00,00	B
7124	67	d 1, 2 e	10.34	*05*,05	B
7125	60	d 2, 1 e	10.44	*05*,05	B
7140	63	d 3, 2 e	10.44	05,*05*	B
7141	63	e 3, 2 f	10.88	01,*02*	B
"	"	d 3, 2 e	10.44	05,*05*	L
"	"	d 4, 1 e	10.54	05,*05*	F
7141	60	d 2, 0 e	10.49	*10*,10	Bp
7142	64	e 3, 3 f	10.82	07,*06*	Bp
"	"	e 1, 4 f	10.68	01,*02*	L
"	"	e 2	10.79	A	F
7154	*64*	d 2, 3 e	10.34	05,*05*	Bp
"	"	d 3, 1 e	10.49	00,00	L
7156	75	e 3, 3 f	10.82	07,*06*	B
7158	67	e 3, 2 f	10.88	01,*02*	B
7166	60	e 3, 2 f	10.88	01,*02*	B
7167	10	g 3, 2 h	11.50	09,*08*	B
7169	111	g 2, 3 h	11.40	09,*08*	B
7169	62	f 1, 0 g, 1 h	11.32	*16*,*03*, 20	B
7169	65	e 3, 3 f	10.82	07,*06*	Bp
7177	61	h 1, 1 k	11.74	*02*,01	B
7194	60	g 2, 2 h	11.46	03,*04*	B

19. *035124.* T ERIDANI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1252	12	f 3, 2 g	9.95	*05*,05	F
1296	40	a 3, 2 b	7.22	*22*,23	F
1313	10	b 1, 5 c	7.80	*05*,05	F
1624	60	d 4, 2 e	9.14	09,*09*	F
1763	21	f 4, 2 g	10.00	00,00	F
1765	15	f 3	9.90	A	F
2005	60	d 2, N	*9.0*		B
2028	83	d 2, 3 e	8.99	04,*04*	F
2084	99	b 3, 3 c	8.00	*05*,05	F
2093	75	b 3, 2 c	8.05	*10*,10	B
2375	10	f 1, 1 g	9.90	*20*,20	B
2447	60	g 3	10.50	A	F
2786	10	f 2, 3 g	9.85	*05*,05	F

19. *035124.* T ERIDANI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
2788	10	e 3, 0 f, 4 g	9.65	*10*,*05*, 15	F
3054	10	c 1, 4 d	8.44	01,*01*	F
"	"	c 1, 4 d	8.44	01,*01*	F
3055	14	c 1, 3 d	8.49	*04*,04	F
"	"	c 1, 4 d	8.44	01,*01*	F
3094	*60*	b 4, 3 c	8.05	00,00	F
3139	10	e 3, 1 f	9.52	03,*02*	F
3143	10	f 3, 2 g	9.95	*05*,05	F
3149	10	f 3, 2 g	9.95	*05*,05	F
3176	10	h 3, 4 k	11.04	01,*01*	F
3443	10	h 3, 2 k	11.14	*09*,09	B
3444	10	h 2, 1 k	11.14	*19*,19	B
3475	10	k 1	11.53	A	B
"	"	k 3	11.73	A	L
"	"	k 4	11.83	A	F
3497	10	h 3, 0 k	11.24	*19*,19	B
3525	18	f 2, 1 g	9.95	*15*,15	B
3569	10	b 4, 2 c	8.10	*05*,05	Bd
3589	12	b 2, 2 c	8.00	*15*,15	B
3593	10	b 1, 2 c	7.95	*20*,20	B
3626	18	c 2, 2 d	8.59	*04*,04	B
3652	10	f 1, 3 g	9.80	*10*,10	B
3679	10	h 1	10.85	A	B
3740	10	k 1, 1 l	11.68	*15*,15	B
3762	12	h 1, 3 k	10.99	*14*,14	B
3785	12	f 1, 2 g	9.85	*15*,15	B
3787	43	e 2	9.45	A	Be
"	"	4 g	9.80	A	L
3789	11	f 1, 2 g	9.85	*15*,15	B
3798	12	e 1, 2 f	9.38	*03*,02	B
3803	15	d 2, 0 e, 1 f	9.26	*23*,*01*, 24	B
3820	10	c 2, 3 d	8.54	01,*01*	B
3831	11	b 1, 3 c	7.90	*15*,15	B
3834	10	b 2, 3 c	7.95	*10*,10	B
3840	10	b 3, 2 c	8.05	*10*,10	B
3855	10	b 2, 3 c	7.95	*10*,10	B
3864	14	b 4, 2 c	8.10	*05*,05	B
3873	15	c 1, 2 d	8.54	*09*,09	B
3876	10	c 2, 2 d	8.59	*04*,04	B
3878	13	c 1, 3 d	8.49	*04*,04	B
3894	15	e 2, 0 f, 4g	9.62	*17*,*02*, 18	B
3908	12	f 2, 1 g	9.95	*15*,15	B
3930	21	h 1, 3 k	10.99	*14*,14	B
3946	11	h 4, 2 k	11.19	*04*,04	B

19. *035124.* T ERIDANI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3997	13	k 1, 1 l	11.68	*15*,15	B
4034	15	f 2, 1 g	9.95	*15*,15	B
4116	10	b 4, 2 c	8.10	*05*,05	Bd
4147	11	d 3, 1 e	9.14	*01*,01	Bd
4164	10	g 1, 1 h	10.48	*18*,17	B
4168	10	g 2, 2 h	10.48	*08*,07	B
4176	10	g 1	10.30	A	B
4183	22	h 1, 3 k	10.99	*14*,14	B
4184	10	g 2, 1 h	10.52	*12*,13	Be
"	"	h 1, 2 k	11.04	*19*,19	B
"	"	h 1	10.85	A	L
4212	11	h 2, 1 k	11.14	*19*,19	B
4252	26	k 1	11.53	A	B
4289	10	f 3, 2 g	9.95	*05*,05	B
4324	11	c 1, 2 d	8.54	*09*,09	B
4596	10	b 3, 2 c	8.05	*10*,10	B
4596	11	b 2, 4 c	7.90	*05*,05	B
4631	*66*	c 1, 1 d	8.59	*14*,14	B
4632	*72*	c 2, 1 d	8.64	*09*,09	B
4634	11	c 1, 4 d	8.44	01,*01*	B
4655	10	f 1, 2 g	9.85	*15*,15	B
4720	15	g 1, N	*10.3*		B
4863	10	b 2, 1 c	8.05	*20*,20	B
4865	11	b 3, 1 c	8.10	*15*,15	Bde
"	"	b 4, 2 c	8.10	*05*,05	F
"	"	b 4, 2 c	8.10	*05*,05	L
4870	78	b 4, 2 c	8.10	*05*,05	B
4891	10	f 1, 4 g	9.75	*05*,05	B
4899	10	f 2, 2 g	9.90	*10*,10	B
4903	57	f 3, 2 g	9.95	*05*,05	B
4921	10	g 3, 1 h	10.58	*08*,07	B
4928	*74*	h 1	10.85	A	B
4930	10	h 2, 2 k	11.09	*14*,14	B
4965	*188*	h 1	10.85	A	B
5264	10	h 1	10.85	A	B
5266	10	g 3, 1 h	10.58	*08*,07	B
5267	60	g 3, 2 h	10.52	*02*,03	Bi
5275	11	g 2, 3 h	10.42	*02*,03	B
5280	10	g 1, 3 h	10.38	*08*,07	B
5296	10	f 2, 3 g	9.85	*05*,05	B
5308	60	d 3, 2 e	9.09	04,*04*	B
5318	64	c 2, 2 d	8.59	*04*,04	B
5337	60	b 4, 3 c	8.05	00,00	B
5339	10	b 2, 2 c	8.00	*15*,15	B
5362	65	b 4, 3 c	8.05	00,00	B
5415	10	g 2, 2 h	10.48	*08*,07	B
5426	60	h 2	10.95	A	B

19. *035124*. T Eridani.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5605	60	b 4, 3 c	8.05	00,00	B
5621	61	d 2, 3 e	8.99	04,*04*	B
5648	61	f 3, 3 g	9.90	00,00	B
5664	76	f 4, 3 g	9.95	05,*05*	Be
"	"	f 5, 1 g	10.10	00,00	L
"	"	f 5, 1 g	10.10	00,00	F
5722	10	k 4, N	*11.8*		Fd
5786	83	f 2, 2 g	9.90	*10*,10	B
5793	10	f 3, 3 g	9.90	00,00	B
5962	10	h 2, N	*10.9*		B
6013	10	h 2, 1 k	11.14	*19*,19	B
6033	10	g 2, 3 h	10.42	*02*,03	B
6047	60	f 3, 2 g	9.95	*05*,05	B
6056	10	f 2, 3 g	9.85	*05*,05	B
6057	60	f 1, 3 g	9.80	*10*,10	B
6063	60	e 3, 0 f, 3 g	9.68	*13*,08, 22	B
6071	62	c 2, 1 d	8.64	*09*,09	B
6076	76	c 2, 3 d	8.54	01,*01*	B
6078	61	c 2, 2 d	8.59	04,*04*	B
6089	61	b 5, 3 c	8.10	05,*05*	B
6093	61	b 4, 3 c	8.05	00,00	B
6106	60	b 4, 4 c	8.00	05,*05*	B
6118	60	b 5, 4 c	8.05	10,*10*	B
6310	60	f 2, 3 g	9.85	*05*,05	B
6316	58	d 1, 2 e	8.99	*06*,06	B
6324	62	c 3, 1 d	8.69	*04*,04	B
6345	60	b 5, 3 c	8.10	05,*05*	B
6355	60	b 5, 3 c	8.10	05,*05*	B
6360	60	b 4, 3 c	8.05	00,00	B
6377	60	c 2, 2 d	8.59	*04*,04	B
6383	108	c 2, 3 d	8.54	01,*01*	B
6388	60	c 2, 1 d	8.64	*09*,09	B
6396	10	c 3, 1 d	8.69	*04*,04	B
6397	10	d 1, 2 e	8.99	*06*,06	B
6400	61	f 1, 3 g	9.80	*10*,10	B
6407	73	f 3, 2 g	9.95	*05*,05	B
6411	60	f 3, 2 g	9.95	*05*,05	B
6461	68	g 1, 1 h	10.48	*18*,17	Bp
"	"	g 5	10.70	A	L
6489	10	g 1, N	*10.3*		Bp
6558	63	c 2, 3 d	8.54	01,*01*	B
6692	60	h 2	10.95	A	B
6697	60	g 2, 2 h	10.48	*08*,07	B
"	"	h 2	10.95	A	B
6698	60	h 2	10.95	A	B
6725	10	h 3, 3 k	11.09	*04*,04	B
6726	11	h 2	10.95	A	B
6767	10	h 2, 3 k	11.04	*09*,09	B
6768	64	h 3	11.05	A	B
6784	72	f 2, 1 g	9.95	*15*,15	B
6786	60	f 2, 1 g	9.95	*15*,15	B
6787	70	f 2, 3 g	9.85	*05*,05	B
6788	62	f 2, 3 g	9.85	*05*,05	B
6794	60	e 2, 3 f	9.38	07,*08*	B
6811	66	c 1, 2 d	8.54	*09*,09	B
6813	61	b 5, 3 c	8.10	05,*05*	B
6816	11	b 4, 3 c	8.05	00,00	B
6818	71	b 4, 3 c	8.05	00,00	B
6824	57	b 4, 3 c	8.05	00,00	B
6825	61	b 3, 4 c	7.95	00,00	B
6850	84	b 2, 4 c	7.90	*05*,05	B
6850	*90*	b 2, 3 c	7.95	*10*,10	B
6856	67	b 5, 4 c	8.05	10,*10*	B
7067	62	b 4, 2 c	8.10	*05*,05	B
7068	62	b 5, 2 c	8.15	00,00	B
7081	60	b 4, 3 c	8.05	00,00	B
7081	10	b 4, 3 c	8.05	00,00	B
7094	62	b 3, 4 c	7.95	00,00	B
7098	61	b 3, 4 c	7.95	00,00	B
7098	10	b 3, 3 c	8.00	*05*,05	B
7105	60	b 4, 4 c	8.00	05,*05*	B
7122	*77*	b 3, 2 c	8.05	10,*10*	B
7124	*110*	b 3, 1 c	8.10	*15*,15	B
7124	67	c 2, 3 d	8.54	01,*01*	B
7142	64	e 2, 1 f	9.48	*03*,02	B
7156	75	f 1, 2 g	9.85	*15*,15	B
7166	60	g 3, 2 h	10.52	*02* 03	B
7166	10	g 2, 3 h	10.42	*02*,03	B
7169	111	g 2, 2 h	10.48	*08*,07	B
7169	62	f 2, 1 g	9.95	*15*,15	B
7169	58	g 2, 3 h	10.42	*02*,03	B
7195	60	h 3	11.05	A	B

21. *040725*. W Eridani.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1278	60	n 2, N	*11.4*		F
1297	10	l 3, N	*10.8*		F
1322	18	k 3, 1 l	10.42	03,*02*	F
1633	60	o 1, N	*11.8*		F
1725	10	c 4, 1 d	8.24	03,*02*	F
1763	21	e 1, 2 f	8.76	01,*01*	F
1765	15	e 2, 2 f	8.81	06,*06*	F
2084	99	g 2, 2 h	9.47	00,00	F
2093	*75*	f 3, 0 g	9.26	*01*,01	F
2098	*76*	g 2	9.47	A	F
2375	10	p 2, N	*12.3*		F
2786	10	l 2, 2 n	10.87	*17*,17	F
2788	10	k 1, 3 l	10.22	03,*02*	F
3055	14	p 2, N	*12.3*		F
3143	10	n 4, 0 o, 4 p	11.71	*07*,03, 03	F
3149	10	n 3, 1 o	11.59	*05*,05	F
3176	10	h 2, 2 k	9.91	*04*,04	F
3443	10	p 2, N	*12.3*		B
3448	10	o 2, 2 p	11.94	00,00	F
3497	10	p 2, 1 q	12.36	*02*,01	B
3569	10	h 3, 1 k	10.01	*04*,04	F
3593	10	g 2, 2 h	9.47	00,00	Bd
"	"	h 1, 3 k	9.81	*04*,04	L
3626	18	h 3, 1 k	10.01	*04*,04	F
3762	12	o 2, 3 p	11.89	05,*05*	F
3798	12	p 2, N	*12.3*		B
3840	10	p 4, N	*12.5*		F
3878	13	o 1, N	*11.8*		F
3908	12	n 2, 3 o	11.44	00,00	F
3937	10	g 1, 3 h	9.37	00,00	F
3947	10	d 2, 2 e	8.50	02,*03*	F
3953	*72*	d 2, 3 e	8.44	08,*07*	F
3958	10	c 3, 2 d	8.14	03,*02*	F
3965	11	c 3, 1 d	8.20	*03*,02	F
3997	13	c 2, 2 d	8.10	*03*,02	B
4034	15	h 1, 2 k	9.86	*09*,09	B
4116	10	n 1, N	*11.3*		B
4183	22	p 3, N	*12.4*		B
4244	11	o 1, 1 p	11.94	*10*,10	B
4324	11	k 1, N	*10.2*		B
4596	11	o 1, N	*11.8*		B
4666	*58*	l 2, 2 m	10.71	*01*,01	B
4863	10	n 2, 2 o	11.49	*05*,05	B
4865	11	n 2, 1 o	11.54	*10*,10	B
4899	10	p 2, N	*12.3*		B
4921	10	p 3	12.44	A	B
4954	60	p 3, N	*12.4*		B
5264	10	o 1, N	*11.8*		B
5318	64	p 3, N	*12.4*		B
5339	10	o 2, N	*11.9*		B
5415	10	o 2, 2 p	11.94	00,00	B
5693	10	m 1, N	*11.0*		B
5702	10	l 1, N	*10.6*		B

21. *040725.* W ERIDANI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5793	10	l 1, 2 m	10.66	*06*,06	B
5956	60	l 2, 3 m	10.66	04,*04*	B
6013	10	o 2, 2 p	11.94	00,00	B
6056	10	p 2, N	*12.3*		B
6188	60	h 3, 2 k	9.96	01,*01*	B
6310	60	k 2, 3 l	10.28	07,*08*	B
6396	10	o 3, 2 p	11.99	05,*05*	B
6397	10	n 3	11.54	A	B
6489	10	n 1, N	*11.3*		B
6580	67	e 2, 2 f	8.81	06,*06*	Br
6692	60	h 2, 3 k	9.86	01,*01*	B
6698	60	h 3, 2 k	9.96	01,*01*	B
6712	61	k 3, 2 l	10.38	07,*08*	B
6725	10	l 1, 2 m	10.66	*06*,06	B
6725	10	l 1	10.60	A	Be
6726	11	l 3, 2 m	10.76	04,*04*	B
6744	60	n 3, 2 o	11.54	00,C0	B
6789	10	p 2, N	*12.3*		B
6816	11	o 1, N	*11.8*		B
6850	*90*	l 1, N	*10.6*		B
7068	62	k 2, 2 l	10.32	03,*02*	B
7081	10	k 2, 1 l	10.38	*03*,02	B
7081	60	k 3, 2 l	10.38	07,*08*	B
7094	62	l 3, 2 m	10.76	04,*04*	B
7098	10	l 2, 2 m	10.71	*01*,01	B
7105	60	m 2, 1 n	11.13	*01*,01	B
7169	58	o 1, N	*11.8*		Bp

22. *043738.* R CAELI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1275	26	a 3, 2 b	7.21	*05*,05	B
1280	12	b 2, 4 c	7.71	*05*,05	Bd
1286	*15*	a 3, 1 b	7.26	*10*,10	B
1297	60	b 3, 3 c	7.81	*05*,05	Bd
1303	*60*	b 2, 2 c	7.81	*15*,15	B
1460	15	l 1, N	*13.2*		B
1995	10	k 2, 4 l	12.76	*03*,02	B
2003	71	k 2	12.73	A	B
2003	. .	k 2, 0 l	12.96	*23*,22	B
2067	85	c 2, 4 d	8.42	*06*,06	Bdp
2326	20	m 1, N	*13.8*		B
2386	68	k 3, 2 l	12.90	*07*,08	B
2447	97	c 2, 2 d	8.52	*16*,16	B
2462	*77*	b 2, 2 c	7.81	*15*,15	B
2775	14	k 2, 1 l	12.90	*17*,18	B
3054	10	m 1, 2 n	13.80	03,*04*	Bd
3091	10	m 1, N	*13.8*		B
3142	10	l 2, 1 m	13.50	*12*,13	B
3145	10	m 2, 1 n	13.90	03,*04*	B
3177	10	k 2, 2 l	12.86	*13*,12	B
3259	10	c 1, 2 d	8.47	*21*,21	Bd
3383	10	f 2, 2 g	10.67	*26*,26	B
3409	32	k 1, 3 l	12.76	*13*,12	B
3443	10	l 1, 2 m	13.40	*12*,13	B
3448	10	m 1, 1 n	13.84	*01*,02	B
“	“	m 1, 2 n	13.80	03,*04*	B
“	“	m 1, 3 n	13.74	*09*,08	L
3458	38	m 3, 2 n	13.90	13,*14*,	B
3475	10	m 1, 1 n	13.84	*01*,02	B
3503	30	m 3	14.03	A	B
3542	21	l 1, 0 m	13.50	*22*,23	B
3569	10	k 2	12.73	A	B
3592	20	g 2, 3 h	11.49	*16*,16	B
3626	30	c 2, 1 d	8.57	*21*,21	B
3652	30	b 3, 2 c	7.86	*10*,10	B
3679	15	b 3. 2 c	7.86	*10*,10	B
3752	25	e 3, 3 f	9.84	*08*,07	B
3762	12	f 3, 4 g	10.62	*11*,11	B
3786	30	h 2, 2 k	12.24	*09*,09	B
3799	13	h 2, 2 k	12.24	*09*,09	B
3803	28	k 1, 3 l	12.76	*13*,12	B
3831	27	m 1	13.83	A	B
3840	30	l 2, 1 m	13.50	*12*,13	B
3864	30	m 2, N	*13.9*		B
“	“	n 2, N	*14.1*		L
3888	30	l 2	13.38	A	Br
3930	35	m 3	14.03	A	B
3945	19	m 2, 1 n	13.90	03,*04*	B
3959	26	m 1	13.83	A	B
3996	22	k 1, 1 l	12.86	*23*,22	B
4007	28	h 2, 1 k	12.29	*14*,14	B
4034	26	d 2, 1 e	9.22	*14*,14	B
4059	23	d 1, 3 e	9.07	*09*,09	Ldp
“	“	d 1, 4 e	9.02	*04*,04	B
4125	31	e 2, 1 f	9.88	*22*,23	B
4147	33	f 4, 3 g	10.72	*11*,11	B
4182	25	h 2, 1 k	12.29	*14*,14	B
4183	11	h 2, 1 k	12.29	*14*,14	B
4204	20	k 2, 2 l	12.86	*13*,12	B
4244	10	m 1	13.83	A	B
4260	10	l 1, N	*13.2*		B
4260	10	l 3, N	*13.4*		B
4277	10	h 1, N	*12.0*		B
4588	10	g 2, 1 h	11.59	*26*,26	B
4598	15	f 5, 2 g	10.82	*11*,11	B
4613	10	k 1, 3 l	12.76	*13*,12	B
4638	10	k 2, N	*12.7*		B
4652	10	l 2, 2 m	13.46	*08*,07	B
4655	11	m 1, N	*13.8*		B
“	“	m 2, N	*13.9*		L
4884	12	d 1, 2 e	9.12	*14*,14	B
4898	19	d 2, 2 e	9.17	*09*,09	B
4903	13	d 2, 2 e	9.17	*09*,09	B
4903	57	d 4, 2 e	9.27	01,*01*	B
4904	10	d 1, 1 e	9.17	*19*,19	B
4913	11	d 2, 1 e	9.22	*14*,14	B
4928	10	e 3, 1 f	9.94	*18*,17	B
4930	10	e 2, 1 f	9.88	*22*,23	B
4939	53	e 4, 2 f	9.94	*08*,07	B
4940	60	e 4, 2 f	9.94	*08*,07	B
4942	82	f 4, 3 g	10.72	*11*,11	B
4956	60	f 3, 2 g	10.72	*21*,21	B
4972	60	g 2, 1 h	11.59	*26*,26	B
4972	12	g 2, 4 h	11.44	*11*,11	B
5266	10	c 2, 2 d	8.52	*16*,16	B
5266	60	c 2, 3 d	8.47	*11*,11	B
5267	60	c 2, 3 d	8.47	*11*,11	Bi
5268	10	c 2, 2 d	8.52	*16*,16	B
5280	58	d 3, 3 e	9.17	01,*01*	Bi
5284	61	d 1, 2 e	9.12	*14*,14	B
5289	62	d 1, 2 e	9.12	*14*,14	B
5317	60	e 1, 2 f	9.78	*22*,23	B
5325	10	e 1, 1 f	9.84	*28*,27	B
5337	60	e 5, 3 f	9.94	02,*03*	B
5660	58	d 3, 2 e	9.22	*04*,04	B
5666	10	d 2, 2 e	9.17	*09*,09	B
5693	63	d 4, 2 e	9.27	01,*01*	B
5697	10	e 2, 2 f	9.84	*18*,17	B
5722	63	e 3, 0 f	9.98	*22*,23	B
5739	11	g 1, 2 h	11.49	*26*,26	B
5747	10	g 2, 2 h	11.54	*21*,21	B
5956	60	f 3, 2 g	10.72	*21*,21	B
5983	62	d 2, 3 e	9.12	*04*,04	B
6006	62	b 3, 3 c	7.81	*05*,05	B
6013	10	c 2, 3 d	8.47	*11*,11	B
6015	10	c 2, 3 d	8.47	*11*,11	B
6019	60	c 2, 3 d	8.47	*11*,11	B
6029	60	b 3, 2 c	7.86	*10*,10	B
6034	10	b 3, 2 c	7.86	*10*,10	B
6034	60	c 2, 4 d	8.42	*06*,06	B

22. *043738.* R Caeli.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6047	60	b 3, 2 c	7.86	*10*,10	B
6056	10	c 2, 2 d	8.52	*16*,16	B
6057	60	c 3, 2 d	8.57	*11*,11	B
6063	60	d 1, 4 e	9.02	*04*,04	B
6071	62	d 2, 3 e	9.12	*04*,04	B
6072	60	d 3, 2 e	9.22	*04*,04	B
6078	61	d 4, 3 e	9.22	06,*06*	B
6085	60	d 3, 2 e	9.22	*04*,04	B
6089	60	d 3, 2 e	9.22	*04*,04	B
6093	60	d 2, 3 e	9.12	*04*,04	B
6106	60	e 3, 3 f	9.84	*08*,07	B
6118	60	e 5, 3 f	9.94	02,*03*	B
6130	14	e 3, 1 f	9.94	*18*,17	B
6337	60	f 3, 1 g	10.77	*26*,26	B
6345	62	f 3, 2 g	10.72	*21*,21	B
6360	60	e 3, 3 f	9.84	*08*,07	B
6377	60	b 3, 2 c	7.86	*10*,10	B
6388	60	b 3, 3 c	7.81	*05*,05	B
6396	60	b 2, 3 c	7.76	*10*,10	B
6396	10	b 3, 2 c	7.86	*10*,10	B
6397	10	b 3, 3 c	7.81	*05*,05	B
6402	60	b 3, 2 c	7.86	*10*,10	B
6402	60	b 4, 3 c	7.86	00,00	B
6407	61	b 4, 2 c	7.91	*05*,05	B
6414	62	b 4, 2 c	7.91	*05*,05	B
6433	60	c 2, 3 d	8.47	*11*,11	B
6435	60	c 2, 3 d	8.47	*11*,11	Be
6435	60	b 3, 2 c	7.86	*10*,10	B
6439	67	b 3, 3 c	7.81	*05*,05	B
6458	63	c 3, 2 d	8.57	*11*,11	B
6458	44	d 2, 2 e	9.17	*09*,09	B
6464	60	d 3, 3 e	9.17	01,*01*	B
6466	61	d 3, 3 e	9.17	01,*01*	B
6466	10	d 3, 2 e	9.22	*04*,04	B
6472	10	e 1, 2 f	9.78	*22*,23	B
6473	10	e 1, 2 f	9.78	*22*,22	B
6493	63	e 3, 3 f	9.84	*08*,07	B
6725	12	k 2, 3 l	12.80	*07*,08	B
6726	13	h 2, 1 k	12.29	*14*,14	B
6734	61	g 2, 1 h	11.59	*26*,26	B
6740	64	f 4, 3 g	10.72	*11*,11	B
6743	10	f 4, 2 g	10.77	*16*,16	B
6744	60	f 4, 3 g	10.72	*11*,11	B
6754	61	e 4, 3 f	9.88	*02*,03	B
6767	74	d 3, 3 e	9.17	01,*01*	B
6768	64	d 3, 3 e	9.17	01,*01*	B
6768	14	e 2, 3 f	9.78	*12*,13	B
6785	10	c 3, 2 d	8.57	*11*,11	B
6787	70	c 3, 3 d	8.52	*06*,06	B
6788	62	c 2, 2 d	8.52	*16*,16	B
6792	60	c 3, 2 d	8.57	*11*,11	B
6799	61	c 2, 3 d	8.47	*11*,11	B
6820	60	c 1, 2 d	8.47	*21*,21	B
6825	61	c 1, 3 d	8.42	*16*,16	B
6825	60	c 1, 2 d	8.47	*21*,21	B
6856	68	d 2, 2 e	9.17	*09*,09	Bd
6857	66	d 4, 3 e	9.22	06,*06*	B
6860	61	d 3, 2 e	9.22	*04*,04	B
6869	61	d 3, 2 e	9.22	*04*,04	B
6871	63	e 3, 3 f	9.84	*08*,07	B
6890	61	e 3, 3 f	9.84	*08*,07	B
7077	61	k 3, 1 l	12.96	*13*,12	B
7080	10	k 3	12.83	A	B
7081	60	k 3, 2 l	12.90	*07*,08	B
7082	11	k 4, 2 l	12.96	*03*,02	B
7094	62	h 3, 2 k	12.29	*04*,04	B
7097	60	h 2, 3 k	12.19	*04*,04	B
7105	60	g 3, 2 h	11.59	*16*,16	B
7124	73	f 4, 2 g	10.77	*16*,16	B
7128	62	f 3, 3 g	10.67	*16*,16	B
7166	60	b 4, 2 c	7.91	*05*,05	B
7178	60	b 4, 3 c	7.86	00,00	B
7195	60	b 2, 3 c	7.76	*10*,10	B

23. *044349.* R Pictoris.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1272	10	c 2, 1 d	8.16	01,*01*	F
"	"	c 2, 1 d	8.16	01,*01*	F
1272	10	b 3, 0 c, 3 d	8.00	07,*03*, *05*	F
"	"	c 1, 2 d	8.06	01,*01*	F
1280	24	c 3, 0 d, 5 e	8.19	08,06, *14*	F
1284	14	d 1, 5 e	8.20	15,*15*	F
1634	60	d 3, 2 e	8.45	10,*10*	F
2030	60	d 2, 1 e	8.45	00,00	Be
2030	62	d 2	8.45	A	B
2032	72	c 3, 0 d, 4 e	8.22	05,03, *07*	F
2044	78	d 1, 2 e	8.35	00,00	B
2370	55	d 1, 4 e	8.25	10,*10*	F
2371	60	c 3, 0 d, 5 e	8.19	08,06, *14*	F
2425	49	d 2, 2 e	8.40	05,*05*	B
2441	69	e 4, 5 g	8.80	15,*15*	Fe
2478	*60*	e 2, 1 f	8.74	01,*01*	B
2514	*77*	c 2, 3 d	8.06	11,*11*	B
2786	14	d 5, 1 e	8.60	15,*15*	Fe
2817	*60*	d 2, 0 e	8.50	*05*,05	B
2923	10	c 2, 1 d	8.16	01,*01*	B
3062	10	10 e	7.55	A	Fe
3066	*61*	b 4, 0 c, 3 d	8.03	14,*06*, *08*	F
3086	10	c 1, 2 d	8.06	01,*01*	F
"	"	c 1, 2 d	8.06	01,*01*	F
3091	10	6 e	7.95	A	Fe
3091	10	c 3, 0 d, 7 e	8.12	15,13, *27*	F
3121	10	d 4, 2 e	8.50	15,*15*	F
3138	*60*	d 2, 1 e	8.45	00,00	B
3142	11	d 1, 2 e	8.35	00,00	B
3143	10	f 2, 2 g	8.99	04,*04*	B
"	"	f 2, 3 g	8.94	09,*09*	B
3143	10	f 3	9.13	A	B
"	"	f 2	9.03	A	B
3153	*60*	f 2, 1 g	9.04	*01*,01	B
3154	*60*	e 2, 1 f	8.74	01,*01*	B
3171	10	2 h	9.23	A	Be
3178	*64*	1 h	9.33	A	Be
3383	10	c 2, 2 d	8.11	06,*06*	B
3426	10	b 1, 1 c	7.87	00,00	B
3443	10	d 1, 3 e	8.30	05,*05*	B
3448	10	d 1, 2 e	8.35	00,00	B
3448	10	b 1, 0 c, 1 d	8.00	*13*,*03*, 15	B
3475	10	d 2, 2 e	8.40	05,*05*	B
3479	10	d 2, 1 e	8.45	00,00	B
3481	10	e 2, 2 f	8.69	06,*06*	B
3482	10	f 2, 2 g	8.99	04,*04*	B
3503	10	f 2, 1 g	9.04	*01*,01	B
3533	9	e 2, 2 f	8.69	06,*06*	B
3569	10	c 2, 2 d	8.11	06,*06*	B
3593	10	d 2, 3 e	8.35	10,*10*	B
3621	4	d 1, 2 e	8.35	00,00	B
3652	6	d 3, 2 e	8.45	10,*10*	B
3652	10	d 2, 2 e	8.40	05,*05*	B
3679	10	e 1, 2 f	8.64	01,*01*	B
3726	10	d 1, 2 e	8.35	00,00	B
3741	11	c 2, 3 d	8.06	11,*11*	B
3752	14	b 1, 0 c,	8.00	*13*,*03*,	B

23. *044349.* R Pictoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
		1 d		15	
3762	14	c 1, 0 d, 2 e	8.22	*15*,03, 13	B
3785	18	d 2, 1 e	8.45	00,00	B
3799	12	d 3, 2 e	8.45	10,*10*	B
3803	12	d 2, 2 e	8.40	05,*05*	B
3829	10	f 1, 1 g	8.99	*06*,06	B
3834	10	f 1, 2 g	8.94	*01*,01	B
3839	10	f 1, 2 g	8.94	*01*,01	B
3846	11	f 1, 2 g	8.94	*01*,01	B
3864	16	d 2, 2 e	8.40	05,*05*	B
3874	13	d 2, 2 e	8.40	05,*05*	B
3875	12	d 1, 2 e	8.35	00,00	B
3877	12	d 1, 2 e	8.35	00,00	B
3894	13	b 2, 1 c	7.92	05,*05*	B
3930	24	a 2, 1 b	7.72	05,*05*	B
3945	21	d 1, 2 e	8.35	00,00	B
3947	10	d 1, 3 e	8.30	05,*05*	B
3947	10	d 1, 2 e	8.35	00,00	B
3957	*67*	c 2, 1 d	8.16	01,*01*	B
3958	*60*	c 2, 2 d	8.11	06,*06*	B
3959	11	d 1, 2 e	8.35	00,00	B
3996	11	h 1, 1 k	9.59	*06*,06	B
4007	19	l 1, 1 m	10.13	*06*,06	B
4034	13	k 1, 2 l	9.81	04,*04*	B
4059	14	d 1, 2 e	8.35	00,00	B
"	"	d 3, 1 e	8.50	05,*05*	B
4125	12	d 1, 1 e	8.40	*05*,05	B
4144	11	d 2, 0 e, 1 f	8.58	*13*,*03*, 15	B
4163	10	d 2, 2 e	8.40	05,*05*	B
4182	11	e 1, 1 f	8.69	*04*,04	B
4204	13	e 2, 1 f	8.74	01,*01*	B
4260	11	b 1, 3 c	7.77	10,*10*	B
4260	12	a 1, 1 b	7.67	00,00	B
4260	10	d 1	8.35	A	Be
"	"	c 2, 1 d	8.16	01,*01*	B
4279	17	c 2, 1 d	8.16	01,*01*	B
4588	10	c 1, 1 d	8.11	*04*,04	B
4596	10	b 1, 1 c	7.87	00,00	B
4613	11	d 1, 3 e	8.30	05,*05*	B
4638	10	c 1, 0 d, 1 e	8.26	*19*,*01*, 19	B
4652	13	d 2, 2 e	8.40	05,*05*	B
4653	60	d 3, 3 e	8.40	15,*15*	B
4884	10	d 2, 1 e	8.45	00,00	B
4891	10	d 3, 2 e	8.45	10,*10*	B
4892	10	d 3, 2 e	8.45	10,*10*	B
4899	12	d 3	8.55	A	Be
4903	10	d 2, 2 e	8.40	05,*05*	B
4904	6	d 2, 1 e	8.45	00,00	B
4909	*72*	c 1, 2 d	8.06	01,*01*	B
4928	10	d 2, 3 e	8.35	10,*10*	B
4930	10	d 1, 1 e	8.40	*05*,05	B
4939	53	c 2, 1 d	8.16	01,*01*	B
4940	60	c 2, 3 d	8.06	11,*11*	B
4941	10	d 3	8.55	A	Be
4942	82	d 2, 3 e	8.35	10,*10*	B
4956	60	c 2, 3 d	8.06	11,*11*	B
4969	60	c 2, 1 d	8.16	01,*01*	B
4972	11	d 1, 2 e	8.35	00,00	B
4988	*91*	c 1, 2 d	8.06	01,*01*	B
4991	62	c 2, 2 d	8.11	06,*06*	Bi
5010	60	d 3, 3 e	8.40	15,*15*	B
5012	25	d 3, 3 e	8.40	15,*15*	B
5075	60	c 1, 3 d	8.01	06,*06*	B
5266	10	d 3, 2 e	8.45	10,*10*	B
5280	58	c 2, 1 d	8.16	01,*01*	Bi
5281	10	d 3, 3 e	8.40	15,*15*	B
5284	10	d 3, 1 e	8.50	05,*05*	B
5286	60	d 2	8.45	A	Be
5304	10	d 3, 2 e	8.45	10,*10*	B
5309	60	d 3, 2 e	8.45	10,*10*	B
5325	10	e 2, 2 f	8.69	06,*06*	B
5350	11	d 2	8.45	A	Be
5660	58	e 1, 1 f	8.69	*04*,04	B
5666	10	d 2, 2 e	8.40	05,*05*	B
5693	10	c 1, 2 d	8.06	01,*01*	Be
5697	10	b 1, 1 c	7.87	00,00	B
5722	63	b 2, 3 c	7.82	15,*15*	B
5723	62	b 1, 2 c	7.82	05,*05*	B
5723	10	c 1, 2 d	8.06	01,*01*	B
5739	10	b 2, 1 c	7.92	05,*05*	B
5747	10	c 2, 1 d	8.16	01,*01*	B
5809	10	f 3, 2 g	9.04	09,*09*	B
5983	62	f 2, 3 g	8.94	09,*09*	B
6013	10	d 3, 3 e	8.40	15,*15*	B
6013	10	d 3, 3 e	8.40	15,*15*	B
6013	10	d 3, 3 e	8.40	15,*15*	Be
6015	10	d 3, 3 e	8.40	15,*15*	B
6020	11	d 3	8.55	A	Be
6029	60	c 1, 2 d	8.06	01,*01*	B
6032	61	b 2, 1 c	7.92	05,*05*	B
6034	60	b 1, 0 c, 2 d	7.96	*09*,01, 09	B
6036	10	b 1, 3 c	7.77	10,*10*	B
6043	10	b 1, 2 c	7.82	05,*05*	B
6047	60	c 1, 2 d	8.06	01,*01*	B
6048	60	b 2, 1 c	7.92	05,*05*	B
6059	60	a 1, 1 b	7.67	00,00	B
6085	60	c 1, 3 d	8.01	06,*06*	B
6086	61	d 3, 3 e	8.40	15,*15*	B
6089	60	c 2, 1 d	8.16	01,*01*	B
6093	60	c 1, 1 d	8.11	*04*,04	B
6106	60	d 3, 1 e	8.50	05,*05*	B
6107	60	d 3, 3 e	8.40	15,*15*	B
6110	60	d 3, 0 e, 3 f	8.54	01,01, *01*	B
6118	60	d 3, 2 e	8.45	10,*10*	B
6132	60	e 2, 1 f	8.74	01,*01*	B
6149	60	e 2, 1 f	8.74	01,*01*	B
"	"	e 3, 1 f	8.79	06,*06*	L
6149	60	d 2, 1 e	8.45	00,00	B
"	"	f 1, 2 g	8.94	*01*,01	B
"	"	f 1, 3 g	8.89	04,*04*	L
6337	60	d 3, 2 e	8.45	10,*10*	B
6345	62	c 2, 2 d	8.11	06,*06*	B
6396	60	b 1, 3 c	7.77	10,*10*	B
6396	10	b 1, 2 c	7.82	05,*05*	B
6397	10	c 1, 2 d	8.06	01,*01*	B
6400	10	c 1, 2 d	8.06	01,*01*	B
6402	60	b 2, 2 c	7.87	10,*10*	B
6414	62	c 2, 2 d	8.11	06,*06*	B
6433	10	d 3, 3 e	8.40	15,*15*	B
6458	63	f 2, 3 g	8.94	09,*09*	B
6464	60	f 2, 2 g	8.99	04,*04*	B
6466	61	g 1, 2 h	9.24	01,*01*	B
6466	10	f 1, 3 g	8.89	04,*04*	B
6472	10	g 2, 3 h	9.24	11,*11*	B
6473	10	f 3, 1 g	9.09	04,*04*	B
6514	10	d 3, 4 e	8.35	20,*20*	B
6579	69	c 2, 3 d	8.06	11,*11*	B
6584	65	c 2, 2 d	8.11	06,*06*	B
6709	61	b 2, 2 c	7.87	10,*10*	B
6713	77	c 1, 2 d	8.06	01,*01*	B
6725	11	d 2, 4 e	8.30	15,*15*	B
6726	10	d 2, 3 e	8.35	10,*10*	B
6727	10	d 3, 3 e	8.40	15,*15*	B
6734	61	d 2, 3 e	8.35	10,*10*	B
6754	61	d 3, 4 e	8.35	20,*20*	B
6755	60	d 3, 2 e	8.45	10,*10*	B

23. *044349.* R PICTORIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6767	74	d 3, 2 e	8.45	10,*10*	B
6768	11	d 3, 4 e	8.35	20,*20*	B
6769	10	d 4, 3 e	8.45	20,*20*	B
6785	10	e 4, 3 f	8.74	21,*21*	B
6792	60	g 3, 1 h	9.39	06,*06*	B
6794	10	f 3, 2 g	9.04	09,*09*	B
6799	61	f 1, 2 g	8.94	*01*,01	B
6820	60	f 3, 2 g	9.04	09,*09*	B
6857	66	c 2, 0d, 2 e	8.26	*09*,*01*, 09	B
6860	61	c 1, 2 d	8.06	01,*01*	B
6890	61	b 3, 2 c	7.92	15,*15*	B
7077	61	c 2, 2 d	8.11	06,*06*	B
7080	11	d 2, 3 e	8.35	10,*10*	B
7082	10	c 1, 0 d, 2 e	8.22	*15*,03, 13	B
7097	60	c 2, 1 d	8.16	01,*01*	B
7098	10	d 2	8.45	A	Be
7124	73	d 3, 3 e	8.40	15,*15*	B
7178	60	d 2, 1 e	8.45	00,00	B

24. *050022.* T LEPORIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1274	60	g 2, 1 h	10.08	*06*,06	Be
1311	13	e 3, 2 f	9.22	05,*05*	F
1313	10	e 2, 1 f	9.22	*05*,05	Be
1324	10	c 4, 1 d	8.42	02,*03*	F
1402	11	e 4, 0 f, 5 g	9.35	02,02, *03*	F
1630	60	h 3, 3 k	10.49	05,*05*	F
1630	60	g 5, 0 h, 5 k	10.27	05,*03*, *03*	F
1731	15	c 4, 2 d	8.36	08,*07*	F
1759	15	e 4, 0 f, 5 g	9.35	02,02, *03*	F
2786	10	3 e	8.67	A	Be
2786	10	c 1, 3 d	8.16	*02*,03	F
3086	10	h 2, 3 k	10.44	00,00	F
3126	*70*	d 5, 0 e	8.98	01,*01*	F
3143	10	d 1, 2 e	8.68	*09*,09	B
3152	*60*	d 2	8.69	A	Be
3177	10	d 2, 2 e	8.73	*04*,04	Be
“	“	c 3, 1 d	8.36	*02*,03	L
3258	10	h 5, 0 k, 3 l	10.77	*03*,*03*, 07	B
“	“	h 3, 1 k,	10.59	*05*,05	L
3258	10	k 2, 3 l	10.89	05,*05*	Fr
3262	10	k 1, 4 l	10.79	05,*05*	F
3269	10	k 4, 1 l	11.09	05,*05*	F
“	“	h 4, 1 k,	10.64	00,00	F
3283	13	g 2, N	*10.0*		B
3444	10	g 1, 2 h	9.98	*06*,06	B
3450	10	f 2, 1 g	9.64	*07*,08	B
3472	10	f 2, 0 g, 2 h	9.81	*24*,01, 23	B
3473	10	f 2, 0 g, 2 h	9.81	*24*,01, 23	B
3475	10	f 2, 2 g	9.60	*03*,02	B
3491	*60*	2 e	8.77	A	Be
3504	10	d 1, 2 e	8.68	*09*,09	B
3525	16	c 1, 1 d	8.26	*12*,13	B
3551	10	d 2, 2 e	8.73	*04*,04	B
3589	12	f 2, 1 g	9.64	*07*,08	B
3621	*60*	k 1	10.84	A	B
3632	17	h 2, 0 k, 2 l	10.71	*27*,03, 23	B
3799	13	h 2, 1 k	10.54	*10*,10	B
3820	10	h 2, 2 k	10.49	*05*,05	B
3845	10	f 2, 0 g, 2 h	9.81	*24*,01, 23	B
3846	10	g 1, 3 h	9.93	*01*,01	Bd
“	“	f 3, 0 g, 1 h	9.88	*21*,*06*, 26	L
3855	13	f 2, 1 g	9.64	*07*,08	B
3874	12	d 1, 1 e	8.73	*14*,14	B
3875	10	d 1, 2 e	8.68	*09*,09	B
3878	15	d 2, 2 e	8.73	*04*,04	B
3894	12	d 2, 2 e	8.73	*04*,04	B
3901	10	d 2, 2 e	8.73	*04*,04	B
3901	10	d 1, 2 e	8.68	*09*,09	B
3908	11	d 2, 2 e	8.73	*04*,04	B
3937	10	f 2, 1 g	9.64	*07*,08	B
3947	10	f 2, 1 g	9.64	*07*,08	B
3952	60	g 1, 1 h	10.03	*11*,11	B
3965	16	h 1, 2 k	10.44	*10*,10	B
3995	10	k 1, 2 l	10.89	*05*,05	B
4164	10	h 2, 2 k	10.49	*05*,05	B
4183	10	h 1, 2 k	10.44	*10*,10	B
4207	14	f 1, 3 g	9.50	*03*,02	B
4236	16	d 1, 2 e	8.68	*09*,09	B
4244	10	d 1	8.59	A	Be
4260	10	d 1, 1 e	8.73	*14*,14	B
4270	19	d 2, 0 e, 1 f	8.98	*29*,*01*, 29	B
4279	10	d 2, 1 e	8.78	*09*,09	B
4289	12	e 1, 0 f, 2 g	9.35	*28*,02, 27	B
4324	13	h 1, 1 k	10.49	*15*,15	B
4345	11	h 2, 1 k	10.54	*10*,10	B
4345	16	h 3, 2 k	10.54	00,00	B
4354	13	k 1	10.84	A	B
4596	11	d 2, 1 e	8.78	*09*,09	B
4634	11	d 1, 1 e	8.73	*14*,14	B
4641	10	d 1, 2 e	8.68	*09*,09	B
4666	*63*	g 2, 2 h	10.03	*01*,01	B
4696	*60*	h 1, N	*10.3*		B
4891	10	g 2, 1 h	10.08	*06*,06	B
4898	10	h 1, 3 k	10.39	*05*,05	B
4899	10	g 1, 2 h	9.98	*06*,06	B
4903	13	g 2, 1 h	10.08	*06*,06	B
4913	11	g 2, 2 h	10.03	*01*,01	B
4930	10	f 2, 3 g	9.54	03,*02*	B
4930	64	f 2, 3 g	9.54	03,*02*	B
4939	61	e 2, 1 f	9.22	*05*,05	B
4941	10	e 1, 1 f	9.17	*10*,10	B
4952	64	d 1, 3 e	8.63	*04*,04	B
4955	77	c 2, 0 d, 3 e	8.47	*23*,02, 20	B
4972	60	c 3, 2 d	8.32	02,*03*	B
4987	60	d 2, 3 e	8.68	01,*01*	B
4993	62	d 2, 2 e	8.73	*04*,04	Bi
4994	60	d 2, 1 e	8.78	*09*,09	B
4994	69	c 3, 1 d	8.36	*02*,03	Bi
4994	*150*	d 2, 2 e	8.73	*04*,04	B
5011	72	e 2, 1 f	9.22	*05*,05	B
5023	61	f 2, 3 g	9.54	03,*02*	B
5041	68	g 2, 3 h	9.98	04,*04*	B
5119	10	l 3, 1 m	11.42	02,*01*	B
5266	60	g 3, 2 h	10.08	04,*04*	B
5267	60	g 1, 2 h	9.98	*06*,06	Bi
5267	10	g 1, 1 h	10.03	*11*,11	B
5281	10	f 2, 2 g	9.60	*03*,02	B
5282	60	f 2, 3 g	9.54	03,*02*	B
5283	63	f 2, 3 g	9.54	03,*02*	B
5337	60	c 2, 1 d	8.32	*08*,07	B
5340	10	d 2, 2 e	8.73	*04*,04	B
5343	10	d 1	8.59	A	Be
5350	10	d 1, 1 e	8.73	*14*,14	B
5362	60	d 3, 3 e	8.73	06,*06*	B
5424	61	h 3, 2 k	10.54	00,00	B

24. *050022.* T Leporis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5648	52	e 2	9.17	A	B
5648	61	e 2, 1 f	9.22	*05*,05	B
5662	70	d 2, 3 e	8.68	01,*01*	B
5690	78	d 2, 1 e	8.78	*09*,09	B
5693	63	c 2, 1 d	8.32	*08*,07	B
5693	10	c 3	8.34	A	Be
5697	10	c 2, 1 d	8.32	*08*,07	B
5720	201	e 1, 2 f	9.12	*05*,05	B
5723	10	f 2, 1 g	9.64	*07*,08	B
5753	59	g 3, 2 h	10.08	04,*04*	B
5767	60	h 3, 2 k	10.54	00,00	B
5956	60	h 3, 2 k	10.54	00,00	B
5984	62	f 3, 2 g	9.64	03,*02*	B
6006	62	d 2, 1 e	8.78	*09*,09	B
6013	10	d 2, 1 e	8.78	*09*,09	B
6017	10	d 2	8.69	A	Be
6019	60	c 3, 1 d	8.36	*02*,03	B
6029	61	c 1, 2 d	8.22	*08*,07	B
6030	78	c 2, 0 d, 2 e	8.50	*26*,*01*, 27	B
6032	60	c 1, 3 d	8.16	*02*,03	B
6036	10	c 2, 1 d	8.32	*08*,07	B
6054	95	d 3, 2 e	8.78	01,*01*	B
6057	60	c 2, 1 d	8.32	*08*,07	B
6063	60	c 3, 2 d	8.32	02,*03*	B
6071	62	d 2, 2 e	8.73	*04*,04	B
6073	10	d 3, 3 e	8.73	06,*06*	Be
6078	61	e 1, 2 f	9.12	*05*,05	B
6090	60	f 1, 3 g	9.50	*03*,02	B
6106	60	f 3, 1 g	9.70	*03*,02	B
6107	57	f 3, 2 g	9.64	03,*02*	B
6116	73	g 1, 2 h	9.98	*06*,06	B
6138	68	h 2, 1 k	10.54	*10*,10	B
6176	63	h 1	10.34	A	B
6310	60	k 1, 2 l	10.89	*05*,05	B
6339	61	g 1, 2 h	9.98	*06*,06	B
6346	60	f 3, 2 g	9.64	03,*02*	B
6360	60	f 3, 2 g	9.64	03,*02*	B
6388	60	c 2, 2 d	8.26	*02*,03	B
6396	61	c 3, 1 d	8.36	*02*,03	Bd
"	"	d 1, 3 e	8.63	*04*,04	L
6396	11	d 3	8.79	A	Be
"	"	d 2	8.69	A	B
"	"	d 2	8.69	A	L
6409	60	b 3, 0 c, 2 d	8.07	*18*,*03*, 22	B
6418	74	d 1, 2 e	8.68	*09*,09	B

24. *050022.* T Leporis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6418	60	c 2, 3 d	8.22	02,*03*	B
6428	76	d 3, 1 e	8.83	*04*,04	B
6433	60	c 3, 1 d	8.36	*02*,03	B
6433	10	d 3	8.79	A	Be
6435	60	d 3, 3 e	8.73	06,*06*	B
6438	66	e 3, 3 f	9.17	10,*10*	B
6439	67	e 2, 2 f	9.17	00,00	B
6460	69	f 3, 2 g	9.64	03,*02*	B
6461	69	f 2, 3 g	9.54	03,*02*	B
6463	86	g 1, 2 h	9.98	*06*,06	B
6466	11	g 3, 3 h	10.03	09,*09*	B
6473	10	g 2, 3 h	9.98	04,*04*	B
6475	54	g 1, 2 h	9.98	*06*,06	B
6490	18	h 2	10.44	A	B
6495	56	h 2, 3 k	10.44	00,00	B
6692	60	h 3, 2 k	10.54	00,00	B
6698	60	h 2, 2 k	10.49	*05*,05	B
6710	60	h 3	10.54	A	B
6712	10	h 3, 2 k	10.54	00,00	B
6734	60	e 1, 3 f	9.07	00,00	B
6740	64	e 2, 3 f	9.12	05,*05*	B
6743	10	d 3	8.79	A	Be
6744	60	c 3, 2 d	8.32	02,*03*	B
6744	61	c 2, 1 d	8.32	*08*,07	B
6745	10	d 2, 2 e	8.73	*04*,04	B
6761	53	d 2, 3 e	8.68	01,*01*	B
6767	60	d 2, 0 e, 2 f	8.94	*25*,03, 23	B
6768	64	d 3, 1 e	8.83	*04*,04	B
6787	70	e 3, 2 f	9.22	05,*05*	B
6787	10	e 2, 3 f	9.12	05,*05*	B
6788	62	e 3, 2 f	9.22	05,*05*	B
6796	63	e 3, 0 f, 2 g	9.42	*15*,*05*, 20	B
6799	10	g 1, 3 h	9.93	*01*,01	B
6801	61	f 3, 2 g	9.64	03,*02*	B
6801	10	f 2, 3 g	9.54	03,*02*	B
6813	62	f 3, 2 g	9.64	03,*02*	B
6819	58	g 3, 2 h	10.08	04,*04*	B
6820	63	g 3, 2 h	10.08	04,*04*	B
6825	61	g 3, 2 h	10.08	04,*04*	B
6826	*71*	f 2, 2 g	9.60	*03*,02	B
6844	69	h 3, 2 k	10.54	00,00	B
7068	62	f 3, 3 g	9.60	07,*08*	B
7081	60	e 2, 2 f	9.17	00,00	B
7082	11	d 3, 1 e	8.83	*04*,04	B
7083	62	e 1, 2 f	9.12	*05*,05	B

24. *050022.* T Leporis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7094	62	c 2, 3 d	8.22	02,*03*	B
7105	60	c 2, 2 d	8.26	*02*,03	B
7105	10	c 2, 1 d	8.32	*08*,07	B
7107	61	b 2, 2 c	7.82	*03*,02	B
7118	65	b 3, 0 c, 2 d	8.07	*18*,*03*, 22	B
7124	76	b 3, 2 c	7.86	03,*02*	B
7128	62	b 3, 2 c	7.86	03,*02*	B
7135	73	c 2, 1 d	8.32	*08*,07	B
7151	67	d 1, 2 e	8.68	*09*,09	B
7166	60	d 3, 2 e	8.78	01,*01*	B
7166	19	d 4, 3 e	8.78	11,*11*	Be
7178	62	f 1, 3 g	9.50	*03*,02	B
7195	60	f 3, 1 g	9.70	*03*,02	B
7202	75	f 2, 1 g	9.64	*07*,08	B
7207	59	f 2, 1 g	9.64	*07*,08	B
7208	61	h 2	10.44	A	B

25. *050848.* S Pictoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1284	14	h 1, N	*12.0*		L
1313	20	l 1, N	*13.0*		L
1634	60	m 3, N	*13.6*		F
2030	60	m 4	13.70	A	F
2370	55	g 1, 4 h	11.54	*04*,04	F
2378	10	h 1, 4 k	12.13	*05*,05	F
2441	69	m 4, N	*13.7*		F
2734	105	d 5, 0 e, 4 f	10.32	*12*,*02*, 13	F
"	"	d 4, 1 e	10.15	*05*,05	B
2734	13	d 4, 2 e	10.10	00,00	Bd
2786	14	f 3, 0 g, 4 h	11.38	*23*,02, 20	F
2923	10	h 2, N	*12.1*		B
3086	10	h 3, 2 k	12.33	*05*,05	F
3091	10	e 4, 1 f	10.72	*02*,03	F
3138	*60*	3 b	8.43	A	Fr
3143	10	b 2, 3 c	8.96	*03*,02	B
3143	10	a 1, 1 b	8.60	*02*,03	B
3146	10	b 1, 3 c	8.90	*07*,08	B
3152	10	b 1, 2 c	8.96	*13*,12	B
3153	*60*	a 4, 1 b	8.76	12,*13*	B
3171	10	b 2, 1 c	9.06	*13*,12	B
3178	*64*	c 2, 2 d	9.49	*01*,01	B
3180	*60*	b 2, 2 c	9.00	*07*,08	B
3443	10	n 1, N	*13.7*		B

25. *050848*. S Pictoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3479	10	n 1, N	*13.7*		B
3503	10	n 1, N	*13.7*		B
3533	9	h 1, N	*12.0*		B
3569	10	d 2, 1 e	10.05	*15*,15	B
3593	10	d 2, 2 e	10.00	*10*,10	B
3679	10	h 1, N	*12.0*		B
3762	14	n 1, N	*13.7*		B
3834	10	n 2, N	*13.8*		B
3875	12	l 1, N	*13.0*		B
3875	10	l 1, N	*13.0*		B
3947	10	m 1, 1 n	13.48	*08*,09	B
3958	10	h 2, 2 k	12.28	*10*,10	B
3996	11	2 d	9.50	A	Be
4035	*67*	b 2, 2 c	9.00	*07*,08	B
4059	14	c 1, 1 d	9.49	*11*,11	B
4125	12	e 2, 2 f	10.58	*08*,07	B
4144	11	g 2, 1 h	11.74	*14*,14	B
4182	11	l 1, 1 m	13.12	*09*,08	B
4204	13	m 1, 1 n	13.48	*08*,09	B
4260	11	n 2, N	*13.8*		B
4279	17	n 1, N	*13.7*		B
4588	10	k 1, 1 l	12.76	*08*,07	B
4588	10	l 1, 1 m	13.12	*09*,08	B
4596	10	m 1, 1 n	13.48	*08*,09	B
4749	62	n 4	14.07	A	Br
4891	10	b 2, 2 c	9.00	*07*,08	B
4892	10	b 3, 2 c	9.06	*03*,02	B
4899	12	c 1, 1 d	9.49	*11*,11	B
4903	10	b 4, 2 c	9.10	03,*02*	B
4904	13	c 1, 2 d	9.44	*06*,06	B
4906	10	b 4, 1 c	9.15	*02*,03	Bd
4928	12	d 2, 2 e	10.00	*10*,10	B
4930	10	e 1, 3 f	10.48	*08*,07	B
4941	10	d 4, 2 e	10.10	00,00	B
4956	60	f 2, 1 g	11.18	*13*,12	B
4969	60	g 3, 3 h	11.69	01,*01*	B
4972	10	h 1, 2 k	12.23	*15*,15	B
5266	60	b 3, 2 c	9.06	*03*,02	B
5274	62	b 2, 3 c	8.96	*03*,02	B
5280	10	b 5, 4 c	9.06	17,*18*	B
5281	10	b 3, 3 c	9.00	03,*02*	B
5284	10	b 5, 4 c	9.06	17,*18*	B
5286	60	b 2, 2 c	9.00	*07*,08	B
5288	60	b 1, 2 c	8.96	*13*,12	B
5317	66	b 3, 2 c	9.06	*03*,02	B
5317	11	b 2, 1 c	9.06	*13*,12	B
5325	10	b 4, 3 c	9.06	07,*08*	B
5334	60	b 3, 1 c	9.10	*07*,08	B
5350	11	d 2, 3 e	9.95	*05*,05	B
5394	62	g 3, 2 h	11.74	*04*,04	B
5666	10	h 1, N	*12.0*		B
5693	10	e 2, 2 f	10.58	*08*,07	B
5697	10	e 1, 3 f	10.48	*08*,07	B
5722	10	e 2, 2 f	10.58	*08*,07	B
5739	10	f 2, 2 g	11.12	*07*,08	B
6013	10	n 2, N	*13.8*		B
6060	60	n 2, N	*13.8*		B
6086	61	l 1, N	*13.0*		B
6089	60	k 2, 1 l	12.80	*02*,03	B
"	"	k 3, 2 l	12.80	*02*,03	L
6107	60	b 2, 2 c	9.00	*07*,08	B
"	"	b 3, 2 c	9.06	*03*,02	B
"	"	b 3, 1 c	9.10	*07*,07	L
6110	60	b 2, 3 c	8.96	*03*,02	B
"	"	b 3, 2 c	9.06	*03*,02	B
"	"	b 3, 2 c	9.06	*03*,02	L
6118	60	b 1, 3 c	8.90	*07*,08	B
"	"	b 2, 3 c	8.96	*03*,02	B
"	"	b 4, 2 c	9.10	03,*02*	L
6132	60	a 3, 1 b	8.70	08,*07*	B
"	"	a 4, 1 b	8.76	12,*13*	B
"	"	b 2, 3 c	8.96	*03*,02	L
6149	60	b 3, 2 c	9.06	*03*,02	B
6179	64	b 2, 3 c	8.96	*03*,02	B
6396	10	n 2, N	*13.8*		B
6400	10	m 2, 1 n	13.54	*04*,03	B
6433	10	n 1, N	*13.7*		B
6514	10	g 2, 1 h	11.74	*14*,14	B
6579	69	d 2, 1 e	10.05	*15*,15	B
"	"	d 4, 1 e	10.15	*05*,05	B
6584	65	e 2, 3 f	10.52	*02*,03	B
6594	60	e 1, 2 f	10.52	*12*,13	B
6726	10	m 1, N	*13.4*		B
6769	10	n 1, N	*13.7*		B
7082	10	h 3, 2 k	12.33	*05*,05	B
7098	10	h 2, 1 k	12.33	*15*,15	B
7107	12	k 2, 3 l	12.70	08,*07*	B

26. *051247*. T Pictoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1284	14	o 1, N	*11.8*		B
1313	20	o 2, N	*11.9*		B
1634	60	f 2, 2 g	10.10	08,*07*	B
2030	60	f 2, 2 g	10.10	08,*07*	B
2060	68	m 1, N	*11.3*		B
2441	69	k 2, 0 l, 2 m	10.95	*14*,01, 13	B
2441	50	2 m	11.08	A	Be
2734	13	m 1, 1 n	11.40	*02*,03	B
2734	10	n 1, 1 o	11.64	*01*,01	B
2786	14	b 2, 1 c	9.02	00,00	B
3086	10	q 1, N	*12.3*		B
3143	10	p 1, N	*12.1*		B
3146	14	n 1, 2 o	11.59	04,*04*	B
3152	10	n 2, 1 o	11.69	04,*04*	B
3171	10	f 2, 1 g	10.16	02,*03*	B
3180	*60*	e 2, 1 f	9.87	*01*,01	B
3443	10	h 1, 2 k	10.47	06,*06*	B
3447	10	k 2, 2 l	10.78	03,*02*	B
3456	10	k 2, 1 l	10.84	*03*,02	B
3472	10	o 1, 2 p	11.84	01,*01*	B
3475	10	o 2, 2 p	11.89	06,*06*	B
3479	10	p 1, 1 q	12.14	*01*,01	B
3569	10	k 2, 2 l	10.78	03,*02*	B
3817	*60*	c 2, 2 d	9.28	04,*04*	B
3834	10	h 1, 3 k	10.42	11,*11*	B
3846	11	k 2, 1 l	10.84	*03*,02	B
3846	10	l 1	11.06	A	B
3876	10	q 1, N	*12.3*		B
3947	10	n 2, 1 o	11.69	04,*04*	B
4216	*66*	c 2, 1 d	9.33	*01*,01	B
4260	10	h 2, 2 k	10.52	11,*11*	B
4279	17	o 2, 1 p	11.94	01,*01*	B
4281	12	p 1, N	*12.1*		B
4588	10	d 2	9.64	A	Be
4588	10	g 2, 1 h	10.38	05,*05*	Be
"	"	e 3, 1 f	9.92	04,*04*	L
4596	10	d 2, 1 e	9.60	04,*04*	B
4638	10	k 1, 2 l	10.74	*03*,02	B
4638	10	h 1, 2 k	10.47	06,*06*	B
4641	10	k 2, 3 e	10.74	07,*08*	Be
4749	62	n 2, 1 o	11.69	04,*04*	Bd
4891	10	q 3, 2 r	12.41	14,*14*	B
4928	12	p 1, 1 q	12.14	*01*,01	B
4956	60	l 2, 2 m	11.12	04,*04*	B
4972	10	f 1	10.08	A	Be
4991	62	d 1, 2 e	9.50	04,*04*	Bi
4991	68	d 2, 3 e	9.50	14,*14*	Bi
5010	60	c 2, 1 d	9.33	*01*,01	B
5012	25	e 1, 2 f	9:77	*01*,01	B

26. *051247.* T PICTORIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5266	60	k 2, 1 l	10.84	*03*,02	B
5274	62	m 2, 1 n	11.46	02,*03*	B
5281	10	n 1, 1 o	11.64	*01*,01	B
5288	60	p 1, 3 q	12.04	09,*09*	B
5317	66	p 3, 2 q	12.19	14,*14*	B
5317	11	p 2, 1 q	12.19	04,*04*	B
5325	10	o 2, 1 p	11.94	01,*01*	B
5334	60	n 2, 2 o	11.64	09,*09*	B
5350	11	f 4	10.38	A	Be
5394	62	b 1, 2 c	8.92	00,00	B
5693	10	q 3, N	*12.5*		B
5739	10	q 1, N	*12.3*		B
5983	62	d 2, 1 e	9.60	04,*04*	B
6013	42	c 2, 2 d	9.28	04,*04*	B
6013	10	c 1, 2 d	9.23	*01*,01	B
6013	10	c 1, 3 d	9.18	04,*04*	B
6020	11	c 1, 2 d	9.23	*01*,01	B
6020	10	d 2	9.64	A	Be
6029	60	e 2, 3 f	9.77	09,*09*	B
6032	61	d 2, 0 e, 2 f	9.69	*05*,*03*, 09	B
6034	60	e 3, 2 f	9.87	09,*09*	B
6036	10	d 4	9.84	A	Be
6043	10	f 2, 3 g	10.06	12,*13*	B
6047	10	h 1, 2 k	10.47	06,*06*	B
6059	60	m 2, 1 n	11.46	02,*03*	B
6060	60	m 1, 2 n	11.36	02,*03*	B
6089	60	p 1, 2 q	12.09	04,*04*	B
6107	60	r 2, N	*12.6*		B
6130	10	p 2, 2 q	12.14	09,*09*	B
6132	60	q 2, 3 r	12.31	14,*14*	B
6149	60	p 2, 1 q	12.19	04,*04*	B
6179	64	k 2, 1 l	10.84	*03*,02	B
6377	60	g 2, 2 h	10.33	10,*10*	B
6396	60	c 3, 2 d	9.33	09,*09*	B
6396	10	b 2, 1 c	9.02	00,00	B
6396	10	c 1, 2 d	9.23	*01*,01	B
6400	10	d 2, 3 e	9.50	14,*14*	Be
6402	60	c 3, 1 d	9.38	04,*04*	B
6407	61	c 2, 1 d	9.33	*01*,01	Be
6414	62	d 2, 2 e	9.55	09,*09*	B
6432	60	e 3, 1 f	9.92	04,*04*	B
6433	10	f 1, 2 g	10.06	02,*03*	B
6435	60	f 1, 2 g	10.06	02,*03*	Be
6437	61	f 3, 2 g	10.16	12,*13*	B
6579	63	e 2, 1 f	9.87	*01*,01	B
6584	65	d 2, 1 e	9.60	04,*04*	B
	m.				
6594	60	c 1, 2 d	9.23	*01*,01	B
6603	66	c 2, 3 d	9.23	09,*09*	B
6744	10	p 1, 1 q	12.14	*01*,01	B
"	"	p 1, 0 q	12.19	*06*,06	L
6754	61	k 2, 1 l	10.84	*03*,02	B
6767	74	k 1, 2 l	10.74	*03*,02	B
6769	10	h 2, 2 k	10.52	11,*11*	B
6781	10	d 2	9.64	A	Be
6785	60	c 3, 1 d	9.38	04,*04*	B
6785	10	d 2	9.64	A	Be
6785	11	d 3	9.74	A	Be
6787	61	d 1, 2 e	9.50	04,*04*	B
6792	60	c 3, 1 d	9.38	04,*04*	B
6799	61	d 2, 2 e	9.55	09,*09*	B
6820	60	e 1, 2 f	9.77	*01*,01	B
6822	62	e 3, 2 f	9.87	*09*,09	B
6860	61	k 2, 2 l	10.78	03,*02*	B
7082	10	o 1, N	*11.8*		B
7107	12	q 2, N	*12.4*		B
7110	61	n 2	11.73	A	B
7124	73	h 2, 2 k	10.52	11,*11*	B
7178	60	h 2, 1 k	10.57	06,*06*	B

27. *051533.* T COLUMBAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1284	15	a 5, 0 b, 4 c	7.79	*06*,02, 04	F
1286	*12*	c 1	8.33	A	Fp
1286	12	a 5, 0 b, 4 c	7.79	*06*,02, 04	F
1320	13	e 1, 3 f	9.00	03,*02*	F
2044	70	k 4, 1 l	10.74	05,*05*	F
2087	81	g 3, N	*9.9*		Be
2323	*44*	d 6	9.31	A	Fe
2370	68	a 4, 1 b	7.67	*04*,04	F
2441	59	g 4, N	*10.0*		B
2531	*70*	d 2, N	*8.9*		F
2734	10	m 2, 2 n	11.34	03,*02*	F
2786	10	f 2, 2 g	9.46	02,*03*	F
3086	10	d 1	8.81	A	Be
3091	10	c 5, 0 d, 4 e	8.66	07,05, *13*	F
3143	10	h 2, 1 k	10.25	*04*,04	F
3152	11	k 3, 1 l	10.69	00,00	F
3176	10	m 1, 2 n	11.30	*03*,02	F
3177	10	l 4, 0 m, 4 n	11.16	03,01, *04*	F
	m.				
3444	10	f 3, 0 g, 4 h	9.61	*03*,02, 00	F
3447	10	f 3, 1 g	9.56	02,*03*	F
3451	*79*	e 1, 1 f	9.10	*07*,08	B
3456	10	e 1, 3 f	9.00	03,*02*	F
3457	*64*	d 3, 0 e, 4 f	8.94	07,*01*, *06*	F
3472	10	c 5, 1 d	8.67	06,*06*	F
3679	10	e 1, 0 f, 1 g	9.28	*25*,00, 25	B
3754	28	c 1, 1 d	8.47	*14*,14	B
3762	28	c 4, 1 d	8.62	01,*01*	B
3786	30	e 1, 0 f, 2 g	9.25	*22*,03, 18	B
3806	12	g 1, 0 h, 1 k	10.01	*28*,00, 28	B
3829	22	l 1, 1 m	10.98	*09*,09	B
3834	10	l 1, 2 m	10.93	*04*,04	B
3840	21	m 2, 1 n	11.40	*03*,02	B
3846	10	n 1, 1 o	11.77	*15*,15	B
3864	30	n 1, 3 o	11.67	*05*,05	B
3874	11	m 1, 1 n	11.34	*07*,08	B
3875	12	l 1, 1 m	10.98	*09*,09	B
3876	10	h 2, 2 k	10.20	01,*01*	B
3889	35	h 2, 1 k	10.25	*04*,04	B
3929	21	d 1, 1 e	8.82	*01*,01	B
3945	20	a 2, 1 b	7.57	*14*,14	B
3947	10	a 3, 2 b	7.57	*04*,04	B
3950	*66*	a 2, 1 b	7.57	*14*,14	B
3955	*74*	a 2, 1 b	7.57	*14*,14	B
3958	10	a 2, 1 b	7.57	*14*,14	B
3959	22	a 3, 1 b	7.62	*09*,09	B
3960	*60*	a 2, 2 b	7.52	*09*,09	B
3996	27	d 2, 1 e	8.87	04,*04*	B
"	"	c 3, 2 d	8.52	01,*01*	B
4009	10	c 2, 0 d, 1 e	8.66	*23*,05, 17	B
4036	16	g 1, 0 h, 1 k	10.01	*28*,00, 28	B
4058	20	k 2, 1 l	10.64	*05*,05	B
4126	25	g 2, 3 h	9.77	06,*06*	B
4144	20	c 2, 0 d, 1 e	8.66	*23*,05, 17	B
4156	*68*	c 1, 2 d	8.42	*09*,09	B
4168	11	c 1, 1 d	8.47	*14*,14	B
4182	20	a 1, 2 b	7.47	*14*,14	B

27. *051533*. T COLUMBAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4195	*60*	a 2, 1 b	7.57	*14*,14	B
4216	*60*	c 2, 3 d	8.42	01,*01*	B
4232	*60*	d 1, 1 e	8.82	*01*,01	B
4279	11	k 2, 2 l	10.59	00,00	B
4303	12	l 1, 2 m	10.93	*04*,04	B
4596	11	d 2, 1 e	8.87	04,*04*	B
"	"	e 2, 1 f	9.16	*03*,02	B
4605	10	c 4, 1 d	8.62	01,*01*	F
"	"	c 4, 1 d	8.62	01,*01*	Bd
4606	60	c 2, 1 d	8.52	*09*,09	B
4641	10	c 2, 2 d	8.47	*04*,04	B
4891	10	a 2, 1 b	7.57	*14*,14	B
4899	10	d 1, 1 e	8.82	*01*,01	B
4904	10	d 2, 1 e	8.87	04,*04*	B
4906	10	f 1, 3 g	9.36	02,*03*	B
4909	62	f 1, 3 g	9.36	02,*03*	B
4924	60	h 3, 2 k	10.25	06,*06*	B
"	"	g 2, 1 h	9.87	*04*,04	B
4928	74	g 3, 2 h	9.87	06,*06*	B
4928	14	g 3, 3 h	9.82	11,*11*	B
4939	53	h 3, 2 k	10.25	06,*06*	B
4941	11	h 3, 1 k	10.30	01,*01*	B
4942	82	h 2, 2 k	10.20	01,*01*	B
4951	*52*	k 2, 1 l	10.64	*05*,05	B
4972	10	m 2, 0 n, 2 o	11.57	*20*,*05*, 25	B
5075	60	c 2, 3 d	8.42	01,*01*	B
5098	58	c 3, 3 d	8.47	06,*06*	B
5280	58	f 3, 2 g	9.50	08,*07*	Bi
5281	10	f 2, 2 g	9.46	02,*03*	B
5281	60	e 3, 2 f	9.16	07,*08*	B
5292	60	d 2, 1 e	8.87	04,*04*	B
5296	60	f 1, 1 g	9.46	*08*,07	B
"	"	e 1, 2 f	9.06	*03*,02	B
5337	19	d 2, 1 e	8.87	04,*04*	B
"	"	c 2, 2 d	8.47	*04*,04	B
5337	60	c 2, 3 d	8.42	01,*01*	B
5350	11	d 1, 2 e	8.77	04,*04*	B
"	"	c 4, 2 d	8.57	06,*06*	B
5382	11	g 3, 3 h	9.82	11,*11*	B
5394	15	h 2, 2 k	10.20	01,*01*	B
5666	10	n 1, N	*11.6*		B
5693	10	m 2, N	*11.3*		B
5722	10	g 2, 3 h	9.77	06,*06*	B
5722	63	g 2, 2 h	9.82	01,*01*	B
5723	10	g 2, 2 h	9.82	01,*01*	B
5739	11	c 4, 3 d	8.52	11,*11*	B

27. *051533*. T COLUMBAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5757	60	c 3, 3 d	8.47	06,*06*	B
5810	60	c 2, 2 d	8.47	*04*,04	B
5828	10	e 3, 1 f	9.20	03,*02*	B
5983	62	a 3, 2 b	7.57	*04*,04	B
6015	60	a 3, 3 b	7.52	01,*01*	B
6016	10	a 3, 1 b	7.62	*09*,09	B
6017	10	a 3, 1 b	7.62	*09*,09	B
6018	61	a 3, 2 b	7.57	*04*,04	B
6020	8	b 1, 2 c	7.97	*06*,06	B
6020	11	a 3, 2 b	7.57	*04*,04	B
6029	60	b 1, 2 c	7.97	*06*,06	B
6032	61	c 3, 3 d	8.47	06,*06*	B
6034	60	c 2, 3 d	8.42	01,*01*	B
6036	10	c 3, 3 d	8.47	06,*06*	B
6059	10	d 3, 2 e	8.87	14,*14*	B
6060	60	e 3, 1 f	9.20	03,*02*	B
6077	61	g 3, 3 h	9.82	11,*11*	B
6089	60	k 1, 3 l	10.49	00,00	B
6093	60	k 2, 1 l	10.64	*05*,05	B
6117	62	n 1, 3 o	11.67	*05*,05	B
6118	60	n 2, 3 o	11.72	00,00	B
6134	61	n 3, 4 o	11.72	10,*10*	B
6396	10	g 1, 3 h	9.72	01,*01*	B
6396	60	f 2, 1 g	9.50	*02*,03	B
6400	10	d 2, 3 e	8.77	14,*14*	B
6402	60	e 3, 1 f	9.20	03,*02*	B
6414	62	d 2, 2 e	8.82	09,*09*	B
6433	10	c 3, 1 d	8.57	*04*,04	B
6458	63	a 2, 3 b	7.47	*04*,04	B
6461	10	a 2, 2 b	7.52	*09*,09	B
6464	60	a 1, 3 b	7.42	*09*,09	B
6466	61	a 1, 3 b	7.42	*09*,09	B
6473	10	a 2, 2 b	7.52	*09*,09	B
6709	61	a 2, 1 b	7.57	*14*,14	B
6712	10	c 3, 3 d	8.47	06,*06*	B
6713	77	c 3, 3 d	8.47	06,*06*	B
6727	10	c 4, 2 d	8.57	06,*06*	B
6734	61	e 2, 3 f	9.06	07,*08*	B
6754	61	g 3, 2 h	9.91	02,*02*	B
6755	60	g 2, 1 h	9.87	*04*,04	B
6757	11	g 2, 1 h	9.87	*04*,04	B
6767	74	h 3, 2 k	10.25	06,*06*	B
6769	10	k 2, 2 l	10.59	00,00	B
6774	10	k 2, 2 l	10.59	00,00	B
6802	10	n 2, 4 o	11.67	05,*05*	B
6860	61	h 3, 2 k	10.25	06,*06*	B
6890	61	e 3, 2 f	9.16	07,*08*	B

27. *051533*. T COLUMBAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6908	65	a 3, 3 b	7.52	01,*01*	B
7077	61	g 2	9.83	A	Br
7095	60	e 2, 1 f	9.16	*03*,02	B
7097	60	e 3, 1 f	9.20	03,*02*	B
7105	10	c 3, 1 d	8.57	*04*,04	B
7107	11	c 3, 2 d	8.52	01,*01*	B
7124	73	c 1, 2 d	8.42	*09*,09	B
7166	66	c 2, 3 d	8.42	01,*01*	B
7178	60	c 3, 2 d	8.52	01,*01*	B

29. *054629*. R COLUMBAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1291	21	d 1, 5 e	9.53	*04*,04	F
1297	15	d 3, 3 e	9.73	*04*,04	F
1310	11	e 1, 4 f	10.14	03,*02*	F
2044	57	h 1, N	*11.7*		B
2064	60	g 1, N	*11.1*		B
2441	60	k 2, N	*12.3*		B
2541	*74*	a 1, 3 b	7.88	*14*,14	B
2935	10	g 4, 1 h	11.46	*04*,04	F
3142	10	e 2, 3 f	10.24	03,*02*	F
"	"	e 2, 3 f	10.24	03,*02*	L
"	"	e 2, 2 f	10.30	*02*,03	F
3152	10	d 2, 3 e	9.68	*09*,09	F
3160	10	a 5, 1 b	8.18	*04*,04	F
3177	10	c 4, 3 d	9.18	09,*09*	B
3292	10	h 2, 4 k	11.79	01,*01*	F
3426	10	k 1, N	*12.2*		B
3447	10	h 3	11.90	A	B
3448	10	h 3, 3 k	11.89	01,*01*	B
3456	10	g 4	11.42	A	B
3470	10	d 4, 2 e	9.83	*04*,04	B
3475	11	d 4, 2 e	9.83	*04*,04	F
3475	14	d 2, 4 e	9.63	*04*,04	F
3479	10	d 2, 4 e	9.63	*04*,04	F
3479	10	d 2, 4 e	9.63	*04*,04	F
3570	12	f 2, 2 g	10.77	*05*,05	B
3593	10	g 3, 1 h	11.41	*09*,09	B
3657	62	k 2, N	*12.3*		B
3762	13	h 2, N	*11.8*		B
3786	12	h 1	11.70	A	B
3808	13	d 2, 1 e	9.78	*19*,19	B
3833	10	c 2, 1 d	9.18	*11*,11	B
3833	10	d 2, 2 e	9.73	*14*,14	B
3834	14	d 2, 4 e	9.63	*04*,04	B
3840	11	c 3, 2 d	9.18	*01*,01	B

29. *054629.* R Columbae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3846	10	c 4, 3 d	9.18	09,*09*	B
3855	10	d 2, 1 e	9.78	*19*,19	B
3866	14	d 3, 1 e	9.83	*14*,14	B
3875	12	e 3, 2 f	10.30	07,*08*	B
3876	11	d 4, 0 e	9.93	*14*,14	B
3878	10	e 1, 2 f	10.24	*07*,08	B
3880	12	e 2, 3 f	10.24	03,*02*	B
3894	10	e 3, 1 f	10.40	*03*,02	B
3908	10	f 2, 2 g	10.77	*05*,05	B
3929	12	h 1	11.70	A	B
3946	13	h 2, 1 k	11.94	*14*,14	B
3947	10	h 2	11.80	A	B
3996	11	k 3, N	*12.4*		Bd
"	"	k 4, N	*12.5*		L
"	"	k 3, N	*12.4*		F
4020	28	h 3, N	*11.9*		B
4058	33	h 1, N	*11.7*		B
4147	31	c 1, 1 d	9.13	*16*,16	B
4182	10	d 3, 3 e	9.73	*04*,04	Bd
4182	39	d 3, 4 e	9.68	01,*01*	B
4183	10	c 3, 1 d	9.23	*06*,06	Bd
4212	40	e 2, 2 f	10.30	*03*,02	B
4215	16	f 2, 2g	10.77	*05*,05	Bd
4252	32	g 3, 0 h	11.46	*14*,14	B
4351	10	k 3, N	*12.4*		Bd
4412	22	h 2, 2 k	11.89	*09*,09	B
4613	11	k 1, N	*12.2*		B
4899	11	h 2, 3 k	11.84	*04*,04	B
4907	10	h 2, 1 k	11.94	*14*,14	B
4992	10	k 1, N	*12.2*		B
5304	10	k 1, N	*12.2*		B
5362	11	h 2, 2 k	11.89	*09*,09	B
5382	11	g 2, 2 h	11.31	*09*,09	Bd
"	"	g 2, 3 h	11.26	*04*,04	L
"	"	g 2, 2 h	11.31	*09*,09	F
5393	60	d 3, 2 e	9.78	*09*,09	B
"	"	e 0, 5 f	10.04	03,*02*	L
"	"	d 5, 0 e, 3 f	10.06	*17*,01, 16	F
5474	12	c 1, 3 d	9.03	*06*,06	B
"	"	b 4, 1 c	8.74	*02*,03	L
"	"	b 3, 3 c	8.60	02,*03*	F
5660	10	k 2, N	*12.3*		B
5719	10	h 1, 1 k	11.89	*19*,19	B
5722	10	g 1, N	*11.1*		B
"	"	g 2, N	*11.2*		L
"	"	g 2, N	*11.2*		F
6022	57	h 3, 3 k	11.89	01,*01*	B
6033	60	h 2, 3 k	11.84	*04*,04	B
6060	10	c 3, 3 d	9.13	04,*04*	B
6061	60	c 1, 2 d	9.08	*11*,11	B
6078	61	a 3, 1 b	8.08	*14*,14	B
6089	60	b 1, 2 c	8.54	*12*,13	B
6090	60	a 3, 1 b	8.08	*14*,14	Be
6093	10	b 1, 2 c	8.54	*12*,13	B
6093	60	a 3, 2 b	8.03	*09*,09	B
6396	60	d 3, 2 e	9.78	*09*,09	B
6396	10	d 2, 4 e	9.63	*04*,04	B
6400	10	d 1, 3 e	9.63	*14*,14	B
6402	60	c 3, 3 d	9.13	04,*04*	B
6414	62	c 3, 3 d	9.13	04,*04*	B
6437	10	d 1, 3 e	9.63	*14*,14	B
6458	63	d 3, 1 e	9.83	*14*,14	B
6461	10	d 3, 2 e	9.78	*09*,09	B
6713	77	d 3, 1 e	9.83	*14*,14	B
6734	61	c 3, 3 d	9.13	04,*04*	B
6745	10	c 2, 3 d	9.08	*01*,01	B
6754	61	c 2, 3 d	9.08	*01*,01	B
6755	60	c 3, 2 d	9.18	*01*,01	B
6757	11	c 3, 2 d	9.18	*01*,01	B
6759	10	c 2, 2 d	9.13	*06*,06	B
6767	74	c 3, 1 d	9.23	*06*,06	B
6774	10	d 3, 3 e	9.73	*04*,04	B
6794	10	e 2, 3 f	10.24	03,*02*	B
7077	61	a 3, 2 b	8.03	*09*,09	B
7095	60	b 1, 3 c	8.50	*08*,07	B
7097	60	b 2, 2 c	8.60	*08*,07	B
7107	11	c 4, 3 d	9.18	09,*09*	B
7108	10	c 3, 3 d	9.13	04,*04*	B
7124	73	d 2, 4 e	9.63	*04*,04	B
7166	66	g 3, 2 h	11.36	*04*,04	B

30. *055686.* R Octantis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1138	20	c 2, 2 d	7.71	06,*06*	B
1138	20	c 1, 3 d	7.61	06,*06*	B
1139	18	c 3, 1 d	7.81	06,*06*	B
1140	61	c 2, 3 d	7.66	11,*11*	B
1140	40	c 3, 1 d	7.81	06,*06*	B
1141	72	c 3, 2 d	7.76	11,*11*	B
1143	60	c 2, 3 d	7.66	11,*11*	Fe
"	"	c 3, 1 d	7.81	06,*06*	B
1144	60	c 2, 1 d	7.76	01,*01*	B
1145	62	c 3, 1 d	7.81	06,*06*	B
1145	62	c 3, 1 d	7.81	06,*06*	B
1145	62	b 3, 1 c	7.50	02,*03*	B
1146	62	c 2, 3 d	7.66	11,*11*	F
"	"	b 2, 1 c	7.44	*02*,03	B
1148	62	c 1, 5 d	7.51	16,*16*	F
"	"	c 2, 3 d	7.66	11,*11*	B
1151	75	c 1, 5 d	7.51	16,*16*	F
"	"	c 3, 1 d	7.81	06,*06*	B
1175	60	c 5, 0 d, 4 e	7.92	15,*07*, *07*	F
1178	62	d 4, 0 e, 5 f	8.20	05,05, *10*	F
1180	75	d 4, 0 e, 5 f	8.20	05,05, *10*	F
1181	72	c 5, 1 d, 5 e	7.86	21,*11*, *11*	F
1184	62	d 3, 1 e, 5 f	8.13	02,02, *03*	F
1186	67	e 4, 0 f, 2 g	8.65	00,*05*, 05	F
1218	60	g 5, h 1, 2 k	9.37	03,*02*, 00	F
1228	75	k 5, 2 l	9.86	21,*21*	F
1244	110	l 2, 3 m	9.98	07,*08*	F
1246	68	l 5, 0 m	10.28	07,*08*	F
1246	63	l 4, 1 m	10.18	07,*08*	F
1257	10	l 4, 1 m	10.18	07,*08*	B
1379	67	m 1, N	*10.3*		F
1446	63	m 1, N	*10.3*		F
1517	10	l 4, 0 m	10.22	03,*02*	F
1538	62	g 2, 3 h	9.03	07,*08*	F
1538	47	g 2, 4 h	8.98	12,*13*	F
1539	60	g 3, 3 h	9.08	12,*13*	F
1540	60	g 2, 4 h	8.98	12,*13*	F
1540	126	g 2, 3 h	9.02	08,*07*	F
1541	61	f 2, 0 g, 5 h	8.82	*02*,08, *07*	F
1541	62	f 2, 1 g, 5 h	8.78	02,02, *03*	F
1542	60	f 2, 0 g, 4 h	8.85	*05*,05, 00	F
1565	86	e 2, 3 f	8.38	07,*08*	F
1576	75	e 5	8.75	A	B
1612	10	h 1, 0 k, 5 l	9.42	*07*,15, *07*	F
1619	66	k 4, 3 l	9.76	21,*21*	F

30. *055686*. R OCTANTIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1620	60	k 3, 4 l	9.66	21,*21*	F
1621	72	k 4, 3 l	9.76	21,*21*	F
1623	62	k 5, 2 l	9.86	21,*21*	F
1623	60	k 3, 2 l	9.76	11,*11*	B
1624	60	k 4, 3 l	9.76	21,*21*	F
1627	65	k 3, 2 l	9.76	11,*11*	Bd
1628	61	k 5, 2 l	9.86	21,*21*	F
1633	61	k 6, 0 l	10.01	16,*16*	F
1633	60	k 6, 0 l, 3 m	9.97	20,*12*, *07*	F
1880	60	p 1, 1 q	11.52	05,*05*	B
1899	92	m 6	10.80	A	F
1899	90	m 7	10.90	A	F
1961	74	d 4, 0 e, 5 f	8.20	05,05, *10*	F
1961	40	d 2, 3 e	8.00	05,*05*	F
1966	10	e 2, 3 f	8.38	07,*08*	F
1975	*81*	c 3, 2 d	7.76	11,*11*	Bd
1979	100	c 6, 0 d, 3 e	7.99	18,*14*, *04*	F
1980	108	c 5, 0 d, 3 e	7.96	11,*11*, *01*	F
1996	225	d 3, 1 e	8.15	00,00	F
2002	152	d 3, 1 e	8.15	00,00	F
2203	64	n 2, N	*10.8*		B
2203	65	o 1, N	*11.1*		B
2285	67	o 1, N	*11.1*		B
2588	60	p 3, 2 q	11.57	20,*20*	B
2629	65	r 0	11.75	A	B
2666	62	p 1, N	*11.5*		B
2762	10	k 3, 1 l	9.81	06,*06*	B
2777	10	f 1, 1 g	8.75	*05*,05	B
2792	30	e 2, 1 f	8.48	*03*,02	B
2940	10	m 2, 2 n	10.40	00,00	B
2949	10	p 2, 1 q	11.57	10,*10*	B
3062	10	p 2	11.67	A	B
3087	10	p 1, N	*11.5*		B
3119	10	m 2, 2 n	10.40	00,00	B
3138	10	l 2, 2 m	10.02	03,*02*	B
3139	10	l 1, 2 m	9.98	*03*,02	B
3139	10	l 2	10.05	A	B
3145	10	l 2, 1 m	10.08	*03*,02	B
3176	11	g 1, 2 h	9.02	*02*,03	B
3177	10	g 1, 3 h	8.98	02,*03*	B
3219	10	c 1, 2 d	7.66	01,*01*	B
3259	10	g 1, 1 h	9.08	*08*,07	B
3259	10	f 1, 1 g	8.75	*05*,05	B
3288	10	k 2, 1 l	9.76	01,*01*	B
3292	10	k 1, 2 l	9.66	01,*01*	B
3294	10	l 1, 2 m	9.98	*03*,02	B
3294	15	l 2, 1 m	10.08	*03*,02	B
3295	10	l 1, 2 m	9.98	*03*,02	B
3324	10	l 2, 1 m	10.08	*03*,02	B
3344	*70*	o 2, N	*11.2*		Bdp
3453	10	p 1, N	*11.5*		B
3464	34	q 2, 1 r	11.71	06,*06*	B
3482	10	p 1	11.57	A	B
3491	13	o 2, 0 p	11.34	*12*,13	B
3497	10	o 1, 0 p	11.30	*18*,17	B
3497	10	o 1	11.12	A	B
3503	10	o 1, 2 p	11.20	*08*,07	B
3507	60	o 1, 1 p	11.24	*12*,13	B
3535	10	m 2, 2 n	10.40	00,00	B
3570	10	l 1, 2 m	9.98	*03*,02	B
3593	11	c 2, 1 d	7.76	01,*01*	B
3626	14	c 2, 0 d, 2 e	7.89	*12*,*04*, 16	B
3632	10	c 2, 1 d	7.76	01,*01*	B
3632	34	c 2, 0 d, 1 e	7.92	*15*,*07*, 23	B
3652	12	e 2, 2 f	8.42	03,*02*	B
3657	15	e 2, 1 f	8.48	*03*,02	B
3660	60	f 2, 0 g, 2 h	8.92	*12*,*02*, 13	B
3679	10	g 1, 3 h	8.98	02,*03*	B
3698	12	k 2, 1 l	9.76	01,*01*	B
3709	10	l 1, 2 m	9.98	*03*,02	B
3709	25	l 1, 2 m	9.98	*03*,02	B
3710	16	k 3, 1 l	9.81	06,*06*	B
3712	11	l 1, 2 m	9.98	*03*,02	B
3712	10	l 1, 1 m	10.02	*07*,08	B
3719	42	l 2, 1 m	10.08	*03*,02	B
3722	14	m 1, 2 n	10.35	*05*,05	B
3726	41	m 1, 3 n	10.30	00,00	B
3727	10	m 1, 1 n	10.40	*10*,10	B
3747	16	o 1, 3 p	11.14	*02*,03	B
3752	62	n 2, 2 o	10.81	*01*,01	B
3759	36	o 1, 1 p	11.24	*12*,13	B
3762	13	o 1, 1 p	11.24	*12*,13	B
3785	51	o 1, 1 p	11.24	*12*,13	B
3786	16	p 2	11.67	A	B
3803	13	o 2, 1 p	11.30	*08*,09	B
“	“	q 1, 2 r	11.61	06,*06*	L
3829	15	r 3, 1 s	11.92	13,*14*	B
3894	12	p 2, N	*11.6*		Bd
“	“	q 1, N	*11.6*		L
3894	20	r 2, 1 s	11.86	09,*08*	Bd
“	“	0 s	11.88	A	L
3922	30	p 1, 2 q	11.47	10,*10*	B
3940	40	o 2, 0 p	11.34	*12*,13	B
3952	30	p 1, 3 q	11.42	15,*15*	B
3964	38	p 1, 2 q	11.47	10,*10*	B
3996	30	k 1, 0 l, 1 m	9.87	*20*,*02*, 23	B
4009	15	g 2, 1 h	9.12	*02*,03	Bd
4013	33	f 1, 1 g	8.75	*05*,05	B
4014	33	g 1, 2 h	9.02	*02*,03	B
4022	33	e 2, 1 f	8.48	*03*,02	B
4036	30	f 1, 1 g	8.75	*05*,05	B
4036	33	f 1, 0 g, 1 h	8.92	*22*,*02*, 23	B
“	“	f 2, 1 g	8.80	00,00	B
4038	60	g 1, 2 h	9.02	*02*,03	Bd
4041	37	g 1, 1 h	9.08	*08*,07	B
4041	30	e 1, 1 f	8.42	*07*,08	B
4058	10	g 4, 0 h, 1 k	9.34	*04*,*09*, 13	B
4067	12	f 3	8.90	A	B
4071	30	g 1, 1 h	9.08	*08*,07	B
4076	61	k 1, 1 l	9.71	*04*,04	B
4077	10	h 2, 1 k	9.46	*01*,01	B
4079	12	g 3, 1 h	9.18	02,*03*	B
4081	40	h 1, 0 k, 2 l	9.52	*17*,05, 13	B
4083	33	h 2, 2 k	9.41	04,*04*	B
4083	36	k 1, 2 l	9.66	01,*01*	B
4084	12	k 2, 2 l	9.71	06,*06*	B
4084	60	h 1, 0 k, 2 l	9.52	*17*,05, 13	B
4094	60	k 1, 2 l	9.66	01,*01*	B
4104	60	l 1, 2 m	9.98	*03*,02	B
4106	10	l 1, 3 m	9.92	03,*02*	B
4112	10	l 2, 2 m	10.02	03,*02*	B
4116	33	l 1, 1 m	10.02	*07*,08	B
4125	25	m 1, 3 n	10.30	00,00	B
4147	33	n 1, 1 o	10.81	*11*,11	B
4182	30	p 1, 1 q	11.52	05,*05*	B
4185	60	p 2, 1 q	11.57	10,*10*	B
4212	40	r 2, 0 s	11.92	03,*04*	B
4212	34	p 1, 2 q	11.47	10,*10*	B
4300	10	p 1, N	*11.5*		B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
30. *055686.* R OCTANTIS.						30. *055686.* R OCTANTIS.						30. *055686.* R OCTANTIS.					
	m.						m.						m.				
4353	34	p 2, N	*11.6*		B	4912	35	h 2, 1 k	9.46	*01*,01	B	5415	12	r 3	12.05	A	B
4382	30	o 2, 1 p	11.30	*08*,07	B	4921	10	k 2, 0 l,	9.84	*07*,01,	B	5439	60	r 4	12.15	A	B
4409	33	m 1, 2 n	10.35	*05*,05	B			3 m		06		5465	60	r 2, N	*11.9*		B
4412	25	l 1, 2 m	9.98	*03*,02	B	4924	101	k 3, 1 l	9.81	06,*06*	B	5469	60	r 2, N	*11.9*		B
4428	31	g 1, 2 h	9.02	*02*,03	B	4925	69	k 2, 3 l	9.66	11,*11*	B	5485	60	r 2, N	*11.9*		B
4433	30	g 1, 1 h	9.08	*08*,07	B	4927	10	l 2, 2 m	10.02	03,*02*	B	5585	60	o 2, 3 p	11.20	02,*03*	B
4449	10	g 2, 1 h	9.12	*02*,03	B	4928	10	l 2, 3 m	9.98	07,*08*	B	"	"	o 1, 3 p	11.14	*02*,03	L
4454	10	g 1, 1 h	9.08	*08*,07	B	4930	10	l 2, 1 m	10.08	*03*,02	B	5603	142	o 2, 2 p	11.24	*02*,03	B
4465	37	h 1, 2 k	9.36	*01*,01	B	4940	61	l 1, 2 m	9.98	*03*,02	B	"	"	n2, 1 o	10.86	*06*,06	L
4465	33	h 1, 2 k	9.36	*01*,01	B	4942	11	l 1, 1 m	10.02	*07*,08	B	5634	60	f 1, 2 g	8.70	00,00	B
4465	38	h 1, 2 k	9.36	*01*,01	B	4979	10	n 1, 1 o	10.81	*11*,11	B	5634	61	f 1, 2 g	8.70	00,00	B
4528	36	l 2, 2 m	10.02	03,*02*	B	4980	40	o 1, 2 p	11.20	*08*,07	B	5648	63	d 2, 0 e,	8.23	*18*,02,	B
4570	40	n 1, 1 o	10.81	*11*,11	B	5039	37	r 2, 1 s	11.86	09,*08*	B			2 f		17	
4584	35	o 2, 2 p	11.24	*02*,03	B	5100	150	u 3, 1 w	12.86	00,00	B	5658	..	e 3, 2 f	8.48	07,*08*	B
4596	39	p 1, 1 q	11.52	05,*05*	B	5112	104	u 3, 1 w	12.86	00,00	B	5660	68	d 1, 2 e	8.00	*05*,05	B
4638	10	p 1, N	*11.5*		B	5119	120	s 0	11.88	A	B	5660	60	d 3, 3 e	8.05	10,*10*	B
4748	30	n 1, 1 o	10.81	*11*,11	B	5133	130	r 3	12.05	A	B	5660	58	d 2, 3 e	8.00	05,*05*	B
4749	33	m 1, 1 n	10.40	*10*,10	B	5136	118	r 2, 3 s	11.76	19,*18*	B	5666	67	e 2, 3 f	8.38	07,*08*	B
4764	*180*	g 1, 1 h	9.08	*08*,07	Br	5143	150	r 3, 2 s	11.86	19,*18*	B	5666	65	d 2, 3 e	8.00	05,*05*	B
4764	30	l 2, 1 m	10.08	*03*,02	B	5144	120	r 1, 1 s	11.82	03,*04*	B	5689	65	e 3, 2 f	8.48	07,*08*	B
4765	35	l 2, 2 m	10.02	03,*02*	B	5147	150	s 3, 1 t	12.14	04,*03*	B	5693	11	e 3	8.55	A	Be
4765	40	l 1, 2m	9.98	*03*,02	B	5161	60	p 1	11.57	A	B	5701	10	f 1, 2 g	8.70	00,00	B
4765	30	l 1, 3 m	9.92	03,*02*	B	5161	151	q 1	11.67	A	B	"	"	g 2, 1 h	9.12	*02*,03	B
4766	15	m 1, 1 n	10.40	*10*,10	B	5162	150	q 2, 1 r	11.71	06,*06*	B	5702	10	k 1, 2 l	9.66	01,*01*	B
4766	62	l 2, 2 m	10.02	03,*02*	B	5173	213	o 2, 1 p	11.30	*08*,07	B	5732	130	k 2, 2 l	9.71	06,*06*	B
4773	31	l 2, 3 m	9.98	07,*08*	B	5186	153	p 1, 1 q	11.52	05,*05*	B	5739	11	k 2, 3 l	9.66	11,*11*	B
4776	32	l 1, 2 m	9.98	*03*,02	B	5189	136	o 1, 1 p	11.24	*12*,13	B	5754	63	l 1, 2 m	9.98	*03*,02	B
4783	120	l 1, 3 m	9.92	03,*02*	B	5190	150	o 3, 1 p	11.34	*02*,03	B	5793	60	n 2, 1 o	10.86	*06*,06	B
4791	10	k 2, 1 l	9.76	01,*01*	B	5191	150	o 2, 1 p	11.30	*08*,07	B	5869	60	t 3, 1 u	12.48	03,*02*	B
4795	10	h 2, 0 k,	9.59	*14*,*02*,	B	5191	150	o 2, 1 p	11.30	*08*,07	B	5886	10	r 2, N	*11.9*		B
		1 l		16		5192	150	o 3, 2 p	11.30	02,*03*	B	5910	61	s 1, N	*11.9*		B
4805	11	g 1, 2 h	9.02	*02*,03	B	5264	61	g 2, 3 h	9.02	08,*07*	B	5931	61	q 1, N	*11.6*		B
4808	*138*	g 2, 3 h	9.02	08,*07*	B	5266	60	f 2, 1 g	8.80	00,00	B	5961	153	p 1, 2 q	11.47	10,*10*	B
4819	30	d 1, 1 e	8.05	*10*,10	B	5267	66	f 2, 1 g	8.80	00,00	B	6033	10	h 2, 2 k	9.41	04,*04*	B
4835	37	b 2, 1 c	7.44	*02*,03	B	5268	60	g 2, 3 h	9.02	08,*07*	B	6033	10	g 1, 2 h	9.02	*02*,03	B
4837	30	c 2, 1 d	7.76	01,*01*	B	5276	65	g 2, 2 h	9.08	02,*03*	B	6034	10	g 2, 1 h	9.12	*02*,03	B
4861	80	c 1, 1 d	7.71	*04*,04	B	5282	61	k 1, 4 l	9.56	11,*11*	B	6043	61	f 2, 3 g	8.70	10,*10*	B
4863	30	c 2, 0 d,	7.92	*15*,*07*,	B	5283	60	g 2, 2 h	9.08	02,*03*	B	6043	60	e 2, 3 f	8.38	07,*08*	B
		1 e		23		5289	60	h 1, 1 k	9.41	*06*,06	B	6045	60	e 2, 3 f	8.38	07,*08*	B
4863	98	c 3, 2 d	7.76	11,*11*	B	5304	10	k 2, 1 l	9.76	01,*01*	B	6047	60	e 1, 2 f	8.38	*03*,02	B
4867	31	c 2, 0 d,	7.92	*15*,*07*,	B	5318	10	k 3, 2 l	9.76	11,*11*	B	6050	155	e 1, 2 f	8.38	*03*,02	B
		1 e		23		5325	147	l 2, 2 m	10.02	03,*02*	B	6056	72	e 1, 2 f	8.38	*03*,02	B
4872	69	e 3, 2 f	8.48	07,*08*	B	5337	10	m 2, 2 n	10.40	00,00	B	6059	90	e 1, 2 f	8.38	*03*,02	B
4904	15	g 2, 1 h	9.12	*02*,03	B	5341	10	m 2, 1 n	10.45	05,*05*	B	6060	66	d 1, 2 e	8.00	*05*,05	B
4904	76	g 3, 2 h	9.12	08,*07*	B	5347	60	n 1, 1 o	10.81	*11*,11	B	6061	68	d 2, 1 e	8.10	*05*,05	B
4906	10	g 2, 2 h	9.08	02,*03*	B	5351	60	n 1, 3 o	10.71	*01*,01	B	6061	60	c 3, 2 d	7.76	11,*11*	B
4907	10	g 3, 2 h	9.12	08,*07*	B	5352	11	n 3, 2 o	10.86	04,*04*	Bd	6063	67	d 1, 2 e	8.00	*05*,05	B

30. *055686*. R Octantis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6071	68	c 2, 1 d	7.76	01,*01*	B
6072	10	c 3, 1 d	7.81	06,*06*	B
6072	59	d 1, 3 e	7.95	00,00	B
6078	60	d 1, 2 e	8.00	*05*,05	B
6085	66	d 2, 0 e, 2 f	8.23	*18*,02, 17	B
6089	60	e 2, 3 f	8.38	07,*08*	B
6090	60	e 2, 3 f	8.38	07,*08*	B
6093	60	e 2, 3 f	8.38	07,*08*	B
6107	60	e 3, 2 f	8.48	07,*08*	B
6117	60	g 1, 2 h	9.02	*02*,03	B
6118	60	g 2, 3 h	9.02	08,*07*	B
6130	61	h 1, 2 k	9.36	*01*,01	B
6166	62	l 2, 3 m	9.98	07,*08*	B
6179	34	m 2, 3 n	10.35	05,*05*	B
6179	73	m 1, 2 n	10.35	*05*,05	B
6183	7	l 2, 1 m	10.08	*03*,02	B
6183	65	m 2, 2 n	10.40	00,00	B
6199	67	n 1, 2 o	10.76	*06*,06	B
6209	76	n 2, 0 o, 3 p	11.00	*20*,02, 17	B
6226	68	o 2, 1 p	11.30	*08*,07	B
6280	64	r 1, N·	*11.8*		B
6282	70	p 2	11.67	A	B
6310	67	p 1	11.57	A	B
6339	71	p 2, 2 q	11.52	15,*15*	B
6346	60	p 2, 2 q	11.52	15,*15*	B
6360	10	o 2, 2 p	11.24	*02*,03	B
6377	66	n 2, 1 o	10.86	*06*,06	B
6377	60	n 2, 2 o	10.81	*01*,01	B
6387	60	n 2, 2 o	10.81	*01*,01	B
6397	10	n 2, 1 o	10.86	*06*,06	B
6414	66	l 2, 1 m	10.08	*03*,02	B
6419	69	h 1, 1 k	9.41	*06*,06	B
6432	70	d 2, 1 e	8.10	*05*,05	B
6436	68	c 2, 1 d	7.76	01,*01*	B
6436	66	e 2, 3 f	8.38	07,*08*	B
6438	65	d 2, 1 e	8.10	*05*,05	B
6439	66	d 1, 2 e	8.00	*05*,05	B
6459	62	d 1, 3 e	7.95	00,00	B
6464	70	d 2, 1 e	8.10	*05*,05	B
6464	65	d 2, 2 e	8.05	00,00	B
6465	61	c 3, 1 d	7.81	06,*06*	B
6472	10	d 2, 2 e	8.05	00,00	B
6472	59	c 3, 2 d	7.76	11,*11*	B
6472	124	e 1, 2 f	8.38	*03*,02	B
6473	66	d 2, 2 e	8.05	00,00	B

30. *055686*. R Octantis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6477	10	d 1, 3 e	7.95	00,00	B
6477	67	d 1, 2 e	8.00	*05*,05	B
6493	75	d 2, 1 e	8.10	*05*,05	B
6496	67	g 1, 2 h	9.02	*02*,03	B
6534	12	k 2, 2 l	9.71	06,*06*	B
6556	72	l 2, 0 m, 3 n	10.18	*13*,02, 12	B
6580	10	n 1, 2 o	10.76	*06*,06	B
6582	11	m 3, 2 n	10.45	05,*05*	B
6603	13	m 1, 2 n	10.35	*05*,05	B
6608	80	o 1, 2 p	11.20	*08*,07	B
6638	77	p 3, 1 q	11.62	15,*15*	B
6643	77	p 3, 3 q	11.52	25,*25*	B
6650	76	q 1, 1 r	11.66	01,*01*	B
6701	80	p 3	11.77	A	B
6724	63	p 3, 1 q	11.62	15,*15*	B
6766	10	n 2, 2 o	10.81	*01*,01	B
6786	70	l 2, 1 m	10.08	*03*,02	B
6802	62	l 1, 2 m	9.98	*03*,02	B
6802	79	l 3, 3 m	10.02	13,*12*	B
6814	75	k 2, 3 l	9.66	11,*11*	B
6814	10	l 1, 2 m	9.98	*03*,02	B
6814	10	k 1, 2 l	9.66	01,*01*	B
6815	87	h 2, 2 k	9.41	04,*04*	B
6816	73	k 2, 2 l	9.71	06,*06*	B
6820	71	h 2, 2 k	9.41	04,*04*	B
6821	66	f 3, 2 g	8.80	10,*10*	B
6821	10	h 1, 3 k	9.31	04,*04*	B
6822	60	g 2, 2 h	9.08	02,*03*	B
6822	60	g 2, 1 h	9.12	*02*,03	B
6822	67	g 2, 3 h	9.02	08,*07*	B
6823	60	f 2, 1 g	8.80	00,00	B
6823	62	f 2, 1 g	8.80	00,00	B
6823	150	f 2, 0 g, 2 h	8.92	*12*,*02*, 13	B
6825	60	f 2, 1 g	8.80	00,00	B
6842	60	d 2, 1 e	8.10	*05*,05	B
6842	63	d 2, 2 e	8.05	00,00	B
6842	62	c 2, 1 d	7.76	01,*01*	B
6858	115	d 1, 2 e	8.00	*05*,05	B
6858	65	c 2, 3 d	7.66	11,*11*	B
6906	63	g 2, 3 h	9.02	08,*07*	B
6932	61	k 1, 2 l	9.66	01,*01*	B
6932	96	k 3, 2 l	9.76	11,*11*	B
6943	62	l 1, 2 m	9.98	*03*,02	B
6948	10	l 2, 1 m	10.08	*03*,02	B
6958	10	l 2, 2 m	10.02	03,*02*	B

30. *055686*. R Octantis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6958	60	l 2, 3 m	9.98	07,*08*	B
6960	125	m 2, 3 n	10.35	05,*05*	B
6961	86	m 2, 3 n	10.35	05,*05*	B
6964	77	m 1, 2 n	10.35	*05*,05	B
6976	65	m 2, 2 n	10.40	00,00	B
6977	10	n 2	10.80	A	B
6979	11	m 2, 2 n	10.40	00,00	B
7018	76	o 2, 1 p	11.30	*08*,07	B
7019	10	o 3	11.32	A	Bd
7065	90	p 3, 0 q, 1 r	11.66	11,*09*, *01*	B
7125	83	p 2, N	*11.6*		B
7128	10	q 1, N	*11.6*		B
7151	64	q 1, N	*11.6*		B
7151	62	q 1, N	*11.6*		B
7167	10	o 2, 1 p	11.30	*08*,07	B
7168	98	p 2, 3 q	11.47	20,*20*	B
7172	12	o 2, 2 p	11.24	*02*,03	B

32. *065208*. X Monocerotis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1756	13	d 4, 1 e	9.18	05,*05*	F
1759	10	d 1, 3 e	8.93	00,00	F
1797	*64*	d 2, 1 e	9.08	*05*,05	B
1810	16	d 5, 1 e	9.23	10,*10*	F
2077	10	d 4, 2 e	9.13	10,*10*	F
2118	16	d 1, 4 e	8.88	05,*05*	F
2119	23	d 3, 2 e	9.08	05,*05*	F
2134	12	d 5, 1 e	9.23	10,*10*	F
2135	10	e 1, 4 f	9.34	*01*,01	F
2141	15	d 4, 1 e	9.18	05,*05*	F
2151	17	d 3, 2 e	9.08	05,*05*	F
2483	15	e 3, 1 f	9.59	*06*,06	F
2489	16	e 5, 1 f	9.69	04,*04*	F
2762	10	d 3, 2 e	9.08	05,*05*	F
2769	15	d 3, 3 e	9.03	10,*10*	F
2818	10	e 3, 2 f	9.54	*01*,01	F
2824	11	e 3, 2 f	9.54	*01*,01	F
2848	12	d 2, 3 e	8.98	05,*05*	F
2939	10	e 4, 1 f	9.64	*01*,01	F
3484	10	c 4, 0 d, 4 e	8.83	00,00, 00	F
3489	10	c 4, 0 d, 5 e	8.80	03,03, *07*	F
3490	10	c 3, 1 d	8.73	00,00	F
3496	10	d 3, 2 e	9.08	05,*05*	F

32. *065208.* X MONOCEROTIS.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3549	*60*	e 2, 3 f	9.44	*01*,01	F
3577	11	f 1, 2 g	9.88	*03*,02	F
3846	10	d 4, 1 e	9.18	05,*05*	F
3859	10	e 4, 1 f	9.64	*01*,01	F
3888	14	g 3, 2 h	10.38	02,*03*	F
3889	11	g 2, 2 h	10.32	*02*,03	F
3953	*60*	d 3, 3 e	9.03	10,*10*	F
3999	10	e 2, 1 f	9.54	*11*,11	B
4009	12	e 2, 1 f	9.54	*11*,11	B
4018	10	f 1, 2 g	9.88	*03*,02	B
4186	10	e 3, 2 f	9.54	*01*,01	B
4226	*60*	d 3, 2 e	9.08	05,*05*	B
4226	*62*	d 2, 2 e	9.03	00,00	B
4248	*60*	d 2, 2 e	9.03	00,00	B
4260	*60*	d 1, 2 e	8.98	*05*,05	B
4291	19	e 1, 2 f	9.44	*11*,11	B
4297	26	e 1, 2 f	9.44	*11*,11	B
4329	10	e 2, 1 f	9.54	*11*,11	B
4352	11	e 2, 1 f	9.54	*11*,11	B
4393	10	d 1, 1 e	9.03	*10*,10	B
4568	14	c 2, 1 d	8.68	*05*,05	B
4594	14	e 1, 2 f	9.44	*11*,11	B
4641	10	e 1, 2 f	9.44	*11*,11	B
4700	*64*	d 3, 2 e	9.08	05,*05*	B
4749	11	c 2, 1 d	8.68	*05*,05	B
4777	10	d 3, 3 e	9.03	10,*10*	B
4923	10	d 3, 2 e	9.08	05,*05*	B
4939	*80*	d 3, 3 e	9.03	10,*10*	B
4949	62	d 4, 2 e	9.13	10,*10*	B
4953	60	d 3, 1 e	9.13	00,00	B
4953	10	e 1, 2 f	9.44	*11*,11	B
4956	60	e 1, 3 f	9.39	*06*,06	B
4968	64	e 2, 3 f	9.44	*01*,01	B
4979	14	e 1, 2 f	9.44	*11*,11	B
4990	60	e 4, 3 f	9.54	09,*09*	B
4991	102	e 4, 3 f	9.54	09,*09*	Bi
4993	72	d 5, 3 e	9.13	20,*20*	B
5042	82	d 3, 4 e	8.98	15,*15*	B
5049	31	d 2, 1 e	9.08	*05*,05	B
5057	91	d 4, 3 e	9.08	15,*15*	B
5064	12	d 1, 3 e	8.93	00,00	B
5069	69	c 2, 0 d, 3 e	8.80	*17*,03, 13	B
5075	66	d 4, 3 e	9.08	15,*15*	B
5075	*150*	d 1, 4 e	8.88	05,*05*	B
5078	10	d 1, 1 e	9.03	*10*,10	B
5113	88	d 3, 2 e	9.08	05,*05*	B
5121	79	d 4, 1 e	9.18	05,*05*	B
5121	10	e 2, 2 f	9.49	*06*,06	B
5309	15	f 2, 1 g	9.98	*03*,02	B
5334	17	e 2, 3 f	9.44	*01*,01	B
5337	10	e 2, 2 f	9.49	*06*,06	B
5340	10	e 1, 2 f	9.44	*11*,11	B
5368	89	d 3, 4 e	8.98	15,*15*	B
5382	12	d 4, 2 e	9.13	10,*10*	B
5426	74	e 3, 4 f	9.44	09,*09*	B
5426	66	d 4, 3 e	9.08	15,*15*	B
5433	57	e 3, 2 f	9.54	*01*,01	B
5463	11	f 2, 3 g	9.88	07,*08*	B
5481	68	e 2, 3 f	9.44	*01*,01	B
5481	10	e 4, 3 f	9.54	09,*09*	B
5485	16	d 2, 2 e	9.03	00,00	B
5498	10	d 2, 4 e	8.93	10,*10*	B
5501	10	d 2, 3 e	8.98	05,*05*	B
5665	43	d 2, 3 e	8.98	05,*05*	B
5701	10	d 3, 2 e	9.08	05,*05*	B
5702	10	d 2, 2 e	9.03	00,00	B
5709	90	d 4, 2 e	9.13	10,*10*	B
5723	65	e 3, 3 f	9.49	04,*04*	B
5724	72	e 1, 3 f	9.39	*06*,06	B
5739	10	e 3, 2 f	9.54	*01*,01	B
5749	108	f 1, 3 g	9.82	03,*02*	B
5762	60	f 3, 2 g	9.98	07,*08*	B
5767	52	f 2, 1 g	9.98	*03*,02	B
5786	61	f 2, 3 g	9.88	07,*08*	B
5804	81	d 4, 3 e	9.08	15,*15*	B
5815	55	d 3, 4 e	8.98	15,*15*	B
5823	82	d 4, 2 e	9.13	10,*10*	B
5841	31	d 3, 4 e	8.98	15,*15*	B
5858	10	d 3, 2 e	9.08	05,*05*	B
5866	10	d 3, 3 e	9.03	10,*10*	B
5872	10	d 3, 2 e	9.08	05,*05*	B
6030	60	e 3, 4 f	9.44	09,*09*	B
6033	60	e 4, 3 f	9.54	09,*09*	B
6036	10	e 3, 1 f	9.59	*06*,06	B
6044	83	e 4, 2 f	9.59	04,*04*	B
6047	60	e 5, 2 f	9.64	09,*09*	B
6077	83	f 1, 2 g	9.88	*03*,02	B
6088	55	e 4, 1 f	9.64	*01*,01	B
6090	60	e 5, 2 f	9.64	09,*09*	B
6110	60	e 2, 3 f	9.44	*01*,01	B
6132	10	d 1, 3 e	8.93	00,00	B
6146	64	d 3, 4 e	8.98	15,*15*	B
6164	72	d 3, 4 e	8.98	15,*15*	B
6165	60	d 3, 3 e	9.03	10,*10*	B
6166	66	d 4, 2 e	9.13	10,*10*	B
6169	73	d 3, 3 e	9.03	10,*10*	B
6175	56	e 1, 3 f	9.39	*06*,06	B
6188	54	e 4, 3 f	9.54	09,*09*	B
6206	64	e 4, 1 f	9.64	*01*,01	B
6226	10	e 2, 2 f	9.49	*06*,06	B
6230	10	e 3, 3 f	9.49	04,*04*	B
6241	10	d 3, 2 e	9.08	05,*05*	B
6397	60	e 3, 4 f	9.44	09,*09*	B
6402	60	d 4, 3 e	9.08	15,*15*	B
6407	93	e 2, 3 f	9.44	*01*,01	B
6409	59	e 2, 4 f	9.39	04,*04*	B
6414	71	d 3, 1 e	9.13	00,00	B
6438	70	d 4, 3 e	9.08	15,*15*	B
6449	84	d 5, 3 e	9.13	20,*20*	B
6459	60	e 3, 3 f	9.49	04,*04*	B
6466	60	d 4, 2 e	9.13	10,*10*	B
6466	10	e 4, 3 f	9.54	09,*09*	B
6467	92	d 4, 1 e	9.18	05,*05*	B
6471	*62*	d 3, 3 e	9.03	10,*10*	B
6472	*72*	d 3, 1 e	9.13	00,00	B
6472	76	d 4, 2 e	9.13	10,*10*	B
6476	68	d 5, 3 e	9.13	20,*20*	B
6487	61	d 4, 3 e	9.08	15,*15*	B
6495	*61*	d 2, 3 e	8.98	05,*05*	B
6498	78	d 4, 4 e	9.03	20,*20*	B
6515	61	d 4, 2 e	9.13	10,*10*	B
6519	63	e 3, 2 f	9.54	*01*,01	B
6521	81	e 3, 3 f	9.49	04,*04*	B
6533	*72*	d 3, 1 e	9.13	00,00	B
6548	63	e 2, 3 f	9.44	*01*,01	B
6575	65	d 4, 0 e, 3 f	9.30	*07*,*07*, 15	B
6580	10	d 3, 2 e	9.08	05,*05*	B
6582	65	d 4, 2 e	9.13	10,*10*	B
6584	11	d 3, 2 e	9.08	05,*05*	B
6589	69	d 4, 3 e	9.08	15,*15*	B
6608	61	d 4, 2 e	9.13	10,*10*	B
6753	60	d 4, 2 e	9.13	10,*10*	B
6770	49	d 3, 4 e	8.98	15,*15*	B
6784	64	d 2, 3 e	8.98	05,*05*	B
6787	10	d 2, 3 e	8.98	05,*05*	B
6794	10	d 3, 2 e	9.08	05,*05*	B
6794	83	d 4, 4 e	9.03	20,*20*	B
6795	60	d 4, 2 e	9.13	10,*10*	B
6795	10	d 2, 2 e	9.03	00,00	B

32. *065208*. X Monocerotis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6796	10	d3, 3 e	9.03	10,*10*	B
6799	10	d 3, 2 e	9.08	05,*05*	B
6810	69	e 1, 3 f	9.39	*06*,06	B
6815	71	d 4, 3 e	9.08	15,*15*	B
6818	72	e 2, 3 f	9.44	*01*,01	B
6821	15	d 3, 2 e	9.08	05,*05*	B
6854	60	d 4, 0 e, 3 f	9.30	*07*,*07*, 15	B
6860	62	d 4, 2 e	9.13	10,*10*	B
6871	60	d 4, 3 e	9.08	15,*15*	B
6872	79	d 3, 0 e, 4 f	9.24	*11*,*01*, 11	B
6881	65	e 1, 3 f	9.39	*06*,06	B
6890	18	e 3, 2 f	9.54	*01*,01	B
6902	66	d 4, 3 e	9.08	15,*15*	B
6907	16	d 2, 3 e	8.98	05,*05*	B
6907	73	d 2, 3 e	8.98	05,*05*	B
6927	60	d 3, 3 e	9.03	10,*10*	B
6936	62	d 3, 4 e	8.98	15,*15*	B
6936	10	d 3, 2 e	9.08	05,*05*	B
6958	10	d 3, 2 e	9.08	05,*05*	B
6958	60	d 5, 4 e	9.08	25,*25*	B
6979	60	d 4, 2 e	9.13	10,*10*	B
7117	60	d 3, 1 e	9.13	00,00	B
7135	62	d 3, 3 e	9.03	10,*10*	B
7144	75	d 3, 0 e, 3 f	9.27	*14*,*04*, 18	B
7159	63	d 5, 3 e	9.13	20,*20*	B
7184	61	d 3, 2 e	9.08	05,*05*	B

33. 070109. V Canis Minoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1321	15	k 2, 2 l	11.27	04,*04*	F
1405	49	p 2, N	*12.9*		F
1786	10	q 2, N	*13.2*		F
2077	11	n 2, 2 o	12.13	00,00	F
2118	61	t^1 1, N	*14.1*		Bd
2171	14	r 3, N	*13.7*		F
2499	10	s^1 2	13.90	A	B
2510	17	r 2, N	*13.6*		F
2792	12	k 1, 2 l	11.22	*01*,01	F
2824	10	r 3, N	*13.7*		F
2937	10	r 3, N	*13.7*		F
3168	10	n 2, 1 o	12.18	*05*,05	B
3472	10	f 2, 2 g	10.27	00,00	F
3489	10	f 4, 1 g	10.42	05,*05*	F
3491	49	g 2, 2 h	10.63	04,*04*	F
3496	10	g 1, 2 h	10.58	*01*,01	F
3510	60	h 3, 1 k	11.05	04,*04*	F
3528	13	m 2, 1 n	11.83	00,00	B
3549	60	p 1	12.85	A	B
3637	34	r 2, N	*13.6*		B
3660	12	r 1, N	*13.5*		B
3823	10	f 2, 2 g	10.27	00,00	B
3855	10	g 1, 2 h	10.58	*01*,01	B
3876	14	k 1, 1 l	11.27	*06*,06	B
3886	11	m 1, 1 n	11.78	*05*,05	B
3894	11	m 1, 1 n	11.78	*05*,05	B
3908	13	n 2, 2 o	12.13	00,00	B
3936	12	q 1, 2 r	13.18	*01*,02	B
3950	11	r 1, 2 s^1	13.50	00,00	B
3954	50	r 2, 1 s^1	13.60	00,00	B
3995	12	r 2, N	*13.6*		B
4027	12	r 1, N	*13.5*		B
4182	10	b 2, 1 c	8.83	*06*,06	B
4207	11	e 1, 1 f	9.90	*08*,07	B
4233	15	g 2, 2 h	10.63	04,*04*	B
4284	*63*	n 2, 1 o	12.18	*05*,05	B
4291	24	q 2, 1 r	13.28	*01*,02	Bd
4358	31	r 1, N	*13.5*		B
4594	13	m 1, 1 n	11.78	*05*,05	B
4596	10	m 1, 1 n	11.78	*05*,05	B
4597	11	n 1, 2 o	12.08	*05*,05	B
4656	13	q 1, N	*13.1*		B
4710	10	q 2, N	*13.2*		B
4940	17	g 1, 2 h	10.58	*01*,01	B
4942	63	g 2, 2 h	10.63	04,*04*	B
4946	10	g 2, 1 h	10.68	*01*,01	B
4946	10	g 2, 1 h	10.68	*01*,01	B
4948	13	h 1, 2 k	10.90	*01*,01	B
4949	14	h 1, 2 k	10.90	*01*,01	B
4984	10	n 2, 3 o	12.08	05,*05*	B
4995	61	n 2, 2 o	12.13	00,00	B
5337	10	n 1, 3 o	12.03	00,00	B
5343	10	n 2, 3 o	12.08	05,*05*	B
5363	10	n 2, 1 o	12.18	*05*,05	B
5365	10	o 2, 2 p	12.54	*01*,01	B
5383	22	q 1	13.17	A	B
5450	15	r 2, N	*13.6*		Bd
5450	15	r 2, N	*13.6*		Bd
5456	12	r 2, N	*13.6*		B
5690	53	h 2, 2 k	10.95	04,*04*	B
5701	10	m 2, 3 n	11.73	10,*10*	B
5710	98	n 3, 2 o	12.18	05,*05*	B
5734	69	n 2, 2 o	12.13	00,00	B
5747	10	s^1 1, 3 t^1	13.76	04,*03*	B
5762	47	s^1 2, 1 t^1	13.92	*02*,01	B
5887	10	s^1 1, 2 t^1	13.82	*02*,01	B
6031	65	g 2, 3 h	10.58	09,*09*	B
6033	64	f 3, 1 g	10.37	00,00	B
6033	60	g 3, 2 h	10.68	09,*09*	B
6053	10	k 2, 2 l	11.27	04,*04*	B
6063	93	k 2, 2 l	11.27	04,*04*	B
6063	64	m 2, 2 n	11.78	05,*05*	B
6131	10	r 3, N	*13.7*		B
6230	10	r 1, N	*13.5*		B
6379	65	g 3, 2 h	10.68	09,*09*	B
6386	63	g 1, 2 h	10.58	*01*,01	B
6402	60	h 1, 2 k	10.90	*01*,01	B
6408	10	g 2, 2 h	10.63	04,*04*	B
6413	67	g 3, 2 h	10.68	09,*09*	B
6418	60	h 2, 3 k	10.90	09,*09*	B
6494	40	s^1 1, N	*13.8*		B
6584	10	r 1, N	*13.5*		B
6753	34	e 2, 2 f	9.90	02,*03*	B
6761	68	e 2, 3 f	9.84	08,*07*	B
6767	62	f 1, 3 g	10.17	00,00	B
6770	67	f 2, 3 g	10.22	05,*05*	B
6784	52	f 3,	10.37	A	B
6787	10	f 3, 1 g	10.37	00,00	B
6787	10	f 2, 3 g	10.22	05,*05*	B
6789	10	f 3, 2 g	10.32	05,*05*	B
6796	11	g 1, 2 h	10.58	*01*,01	B
6799	63	g 2, 2 h	10.63	04,*04*	B
6800	78	h 1, 2 k	10.90	*01*,01	B
6801	69	h 1, 2 k	10.90	*01*,01	B
6803	60	h 2, 2 k	10.95	04,*04*	B
6818	75	k 2, 1 l	11.32	*01*,01	B
6820	72	m 2, 2 n	11.78	05,*05*	B
6822	69	m 3, 2 n	11.83	10,*10*	B
6829	57	n 2, 2 o	12.13	00,00	B
6890	17	r 2, N	*13.6*		B
6957	12	q 2, N	*13.2*		B
7113	29	f 3, 2 g	10.32	05,*05*	B
7118	60	f 1, 3 g	10.17	00,00	B
7122	25	f 3, 2 g	10.32	05,*05*	B
7124	60	f 2, 3 g	10.22	05,*05*	B
7126	60	f 3, 2 g	10.32	05,*05*	B
7128	60	f 3, 3 g	10.27	10,*10*	B
7131	61	g 2, 3 h	10.58	09,*09*	B

33. 070109. V CANIS MINORIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
7132	60	f 3, 2 g	10.32	05,*05*	B
7147	60	g 2, 3 h	10.58	09,*09*	B
7175	97	k 2, 2 l	11.27	04,*04*	B
7181	66	l 1, 1 m	11.53	00,00	B
7185	63	m 2, 2 n	11.78	05,*05*	B

38. *074241*. W PUPPIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1279	10	g 2, N	*10.5*		F
1298	28	g 4, N	*10.7*		F
1320	15	e 3, 1 f	9.81	01,*01*	F
2451	*64*	g 1, N	*10.4*		B
2480	*62*	f 2	10.10	A	B
2532	*63*	d 1, 2 e	9.28	*04*,04	B
2561	58	d 3, 2 e	9.38	06,*06*	B
2734	10	k 4, 0 l	11.84	*06*,06	F
2734	10	l 1, 3 m	12.05	*05*,05	F
2761	10	f 4, 5 h	10.34	*04*,04	Fr
2762	10	f 2, 4 g	10.04	06,*06*	F
2763	10	f 1, 5 g	9.95	05,*05*	F
2763	10	e 4, 0 f, 5 g	9.90	02,00, *02*	F
2784	*61*	c 2, 3 d	8.84	00,00	B
2937	10	1 h	10 78	A	Fe
3121	10	g 3, 2 h	10.68	00,00	F
"	"	g 3, 2 h	10.68	00,00	F
3157	*60*	e 4, 0 f	9.91	01,*01*	F
3295	10	f 1, 3 g	10.04	*04*,04	B
3492	10	f 1, 3 g	10.04	*04*,04	B
3495	10	f 2, 2 g	10.14	*04*,04	B
3498	10	f 1, 2 g	10.09	*09*,09	B
3544	10	f 2, 1 g	10.19	*09*,09	B
3570	10	h 1, 1 k	11.13	*15*,15	B
3570	10	h 2, 1 k	11.18	*10*,10	B
3593	11	f 3, 3 g	10.14	06, *06*	B
3621	13	e 1, 3 f	9.61	01,*01*	B
3635	10	c 2, 0 d, 1 e	9.13	*29*,01, 29	B
3644	10	e 1, 1 f	9.71	*09*,09	B
3644	10	e 2, 0 f, 3 g	9.90	*18*,00, 18	B
3652	10	f 1, 2 g	10.09	*09*,09	B
3678	10	k 3, 1 l	11.74	*06*,06	B
3678	10	l 1, 1 m	12.15	*15*,15	B
3709	12	h 2, 2 k	11.13	*05*,05	Bd
3713	10	g 1, 1 h	10.63	*15*,15	B

38. *074241*. W PUPPIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3727	11	f 1, 2 g	10.09	*09*,09	B
3744	13	d 1, 2 e	9.28	*04*,04	B
3808	12	l 2, 2 m	12.15	*05*,05	B
3833	13	h 2, 2 k	11.13	*05*,05	B
3840	10	g 1, 2 h	10.58	*10*,10	B
3847	13	f 2, 1 g	10.19	*09*,09	B
3864	20	e 2, 0 f, 2 g	9.93	*21*,*03*, 25	B
3877	11	d 2, 2 e	9.33	01,*01*	B
3880	10	d 1, 3 e	9.23	01,*01*	B
3888	12	e 1, 1 f	9.71	*09*,09	B
3889	12	e 2, 1 f	9.76	*04*,04	B
3895	18	e 1, 0 f, 2 g	9.90	*28*,00, 28	B
3922	10	k 1, 2 l	11.59	*11*,11	B
3940	13	l 1, 1 m	12.15	*15*,15	B
3952	10	h 1, 2 k	11.08	*10*,10	B
3964	10	f 1, 2 g	10.09	*09*,09	B
3994	14	e 2, 1 f	9.76	*04*,04	B
4007	13	f 1, 3 g	10.04	*04*,04	B
4020	13	f 2, 2 g	10.14	*04*,04	B
4036	10	g 2, 2 h	10.63	*05*,05	B
4055	10	k 2, 2 l	11.64	*06*,06	B
4071	10	g 2, 1 h	10.68	*10*,10	B
4085	14	e 1, 1 f	9.71	*09*,09	B
4181	11	k 2, 2 l	11.64	*06*,06	B
4186	10	k 1, 2 l	11.59	*11*,11	B
4203	10	f 2, 1 g	10.19	*09*,09	B
4204	10	f 2, 1 g	10.19	*09*,09	B
4247	*60*	f 1, 2 g	10.09	*09*,09	B
4351	11	d 2	9.34	A	Be
4365	12	e 1, 1 f	9.71	*09*,09	B
4367	10	f 1	10.00	A	B
4381	10	g 1, 1 h	10.63	*15*,15	B
4382	10	h 2, 2 k	11.13	*05*,05	B
4412	11	n 1, 1 o	12.63	*01*,01	B
4451	10	g 2, 2 h	10.63	*05*,05	B
4638	10	h 1, 1 k	11.13	*15*,15	B
4750	11	h 1, 2 k	11.08	*10*,10	B
4767	10	k 1, 1 l	11.64	*16*,16	B
4927	10	f 1, 2 g	10.09	*09*,09	B
4928	10	f 2, 2 g	10.14	*04*,04	B
4940	74	d 2, 3 e	9.28	06,*06*	B
4955	61	b 1, 2 c	8.34	*10*,10	B
4972	11	e 2, 1 f	9.76	*04*,04	B
4979	10	f 2	10.10	A	Be
4986	60	f 3	10.20	A	B

38. *074241*. W PUPPIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5080	13	e 2, 2 f	9.71	01,*01*	B
5089	10	e 2, 1 f	9.76	*04*,04	B
5115	60	g 3, 2 h	10.68	00,00	B
5116	10	g 3, 2 h	10.68	00,00	B
5120	10	h 1, 3 k	11.03	*05*,05	B
5157	60	k 1, 2 l	11.59	*11*,11	B
5308	60	c 2, 3 d	8.84	00,00	B
5336	10	3 f	9.60	A	Be
5341	10	f 2, 2 g	10.14	*04*,04	B
5341	60	f 1, 4 g	9.99	01,*01*	B
5344	65	f 3, 4 g	10.09	11,*11*	B
5380	60	h3, 1 k	11.23	*05*,05	B
5381	60	h 3, 3 k	11.13	05,*05*	B
5441	10	c 1, 2 d	8.84	*10*,10	B
5459	60	e 1, 2 f	9.66	*04*,04	B
5464	61	f 2, 2 g	10.14	*04*,04	B
5469	21	f 3, 1 g	10.24	*04*,04	B
5483	40	g 2, 2 h	10.63	*05*,05	B
5491	11	h 3, 1 k	11.23	*05*,05	B
5492	10	k 3	11.68	A	Be
5681	10	d 3, 3 e	9.33	11,*11*	Be
5701	60	f 3, 4 g	10.09	11,*11*	B
5723	62	g 3, 1 h	10.73	*05*,05	B
5726	10	g 3, 2 h	10.68	00,00	B
5793	65	c 3, 3 d	8.89	05,*05*	B
5821	62	e 3, 3 f	9.71	11,*11*	B
5828	9	e 2, 1 f	9.76	*04*,04	B
5858	61	k 2	11.58	A	B
5869	10	n 2, 2 o	12.63	09,*09*	B
5899	60	g 2, 1 h	10.68	*10*,10	B
6019	60	f 4, 3 g	10.19	11,*11*	B
6027	61	f 1, 4 g	9.99	01,*01*	B
6036	60	d 2, 3 e	9.28	06,*06*	B
6047	62	d 1, 3 e	9.23	01,*01*	B
6061	60	f 1, 3 g	10.04	*04*,04	B
6078	61	f 5, 4 g	10.19	21,*21*	B
6088	63	g 3, 3 h	10.63	05,*05*	B
6088	60	g 1, 3 h	10.53	*05*,05	B
6090	60	h 3, 2 k	11.18	00,00	B
6093	60	h 3, 1 k	11.23	*05*,05	B
6118	60	k 2, 1 l	11.69	*11*,11	B
6130	60	f 5, 2 g	10.29	11,*11*	B
6130	15	g 1, 3 h	10.53	*05*,05	B
6149	60	e 2, 3 f	9.66	06,*06*	B
6179	60	e 1, 2 f	9.66	*04*,04	B
6229	60	k 3, 2 l	11.69	*01*,01	B
6233	10	k 3, 3 l	11.64	04,*04*	B

38. *074241*. W PUPPIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6239	60	k 1	11.48	A	B
6249	61	g 3, 1 h	10.73	*05*,05	B
6254	60	g 3, 4 h	10.58	10,*10*	B
6396	54	d 1, 3 e	9.23	01,*01*	B
6435	60	f 5, 2 g	10.29	11,*11*	B
6438	60	f 4, 2 g	10.24	06,*06*	B
6458	10	k 2, 3 l	11.59	*01*,01	B
6459	10	h 2, 1 k	11.18	*10*,10	B
6494	62	f 4, 3 g	10.19	11,*11*	B
6514	13	3 d	8.84	A	Be
6534	67	c 2, 3 d	8.84	00,00	B
6573	65	h 3, 1 k	11.23	*05*,05	B
6587	10	l 3, 3 m	12.15	05,*05*	B
6604	60	h 3, 1 k	11.23	*05*,05	B
6606	60	k 3	11.68	A	B
6743	58	f 2, 3 g	10.09	01,*01*	B
6745	62	f 2, 4 g	10.04	06,*06*	B
6755	61	d 1, 3 e	9.23	01,*01*	B
6767	63	c 1, 3 d	8.79	*05*,05	B
6784	61	e 1, 1 f	9.71	*09*,09	B
6787	11	f 1	10.00	A	Be
6789	60	f 2, 5 g	9.99	11,*11*	B
6793	73	f 3, 4 g	10.09	11,*11*	B
6796	60	g 2, 3 h	10.58	00,00	B
6796	10	f 3, 3 g	10.14	06,*06*	B
6799	64	f 4, 2 g	10.24	06,*06*	B
6814	10	k 3, 3 l	11.64	04,*04*	B
6821	62	k 3, 1 l	11.74	*06*,06	B
6854	62	g 3, 2 h	10.68	00,00	B
6859	64	f 4, 1 g	10.29	01,*01*	B
6869	62	f 4, 3 g	10.19	11,*11*	B
6902	68	d 3, 1 e	9.43	01,*01*	B
6911	60	f 5, 4 g	10.19	21,*21*	B
6934	60	k 2	11.58	A	B
6937	60	h 4, 2 k	11.23	05,*05*	B
6958	10	l 2, 3 m	12.10	00,00	B
6975	81	h 3, 2 k	11.18	00,00	B
7125	62	c 1, 2 d	8.84	*10*,10	B
7185	63	k 3, 1 l	11.74	*06*,06	B

43. *082476*. R CHAMAELEONTIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1346	11	p 1, N	*11.9*		B
1517	12	k 1, 2 l	10.65	04,*04*	B
1837	30	k 2, 3 l	10.65	14,*14*	B
1839	45	k 2, 3 l	10.65	14,*14*	B
1870	60	d 1, 2 e	9.36	02,*03*	B
2235	62	b 3, 2 c	8.90	10,*10*	B
2952	10	f 1, 2 g	9.86	*01*,01	B
2967	10	f 3, 1 g	10.01	04,*04*	B
3145	11	p 1	11.93	A	B
3146	11	p 2	12.03	A	B
3177	10	o 2, 3 p	11.67	14,*14*	B
3294	10	f 3, 2 g	9.96	09,*09*	B
3294	10	f 3, 2 g	9.96	09,*09*	B
3294	10	f 3, 2 g	9.96	09,*09*	B
3295	11	f 3, 1 g	10.01	04,*04*	B
3551	10	d 1, 2 e	9.36	02,*03*	B
3722	10	p 1, N	*11.9*		B
3889	12	f 1, 3 g	9.81	04,*04*	B
"	"	e 1, 2 f	9.59	04,*04*	B
3889	12	d 1, 2 e	9.36	02,*03*	B
"	"	d 2, 1 e	9.46	02,*03*	L
3891	10	d 1, 2 e	9.36	02,*03*	Bd
4058	10	q 1, 1 r	12.32	*01*,01	B
4259	10	b 1, 1 c	8.85	*05*,05	B
4300	11	f 1, 2 g	9.86	*01*,01	B
4300	14	d 2, 1 e	9.46	02,*03*	B
"	"	f 1, 3 g	9.81	04,*04*	B
4406	13	q 1, 1 r	12.32	*01*,01	B
4423	10	r 1, N	*12.5*		B
4606	*65*	d 3	9.58	A	B
4613	10	c 3, 2 d	9.19	11,*11*	Be
4748	10	r 1	12.53	A	B
4930	10	b 3, 3 c	8.85	15,*15*	B
4930	10	d 2, 3 e	9.36	12,*13*	B
4953	*60*	d 2, 2 e	9.40	08,*07*	B
4955	*61*	d 1, 1 e	9.40	*02*,03	B
4990	65	g 2, 3 h	10.12	15,*15*	B
5072	10	p 2, 2 q	12.02	01,*01*	B
5120	10	q 1, 1 r	12.32	*01*,01	B
5191	69	h 1, 2 k	10.38	*01*,01	B
5316	60	f 1, 1 g	9.91	*06*,06	B
5341	10	m 1, 1 n	11.22	*01*,01	B
5344	11	l 1, 1 m	10.96	*05*,05	B
5347	45	m 2, 3 n	11.17	14,*14*	B
5350	60	l 1, 1 m	10.96	*05*,05	B
5351	60	l 1, 3 m	10.86	05,*05*	B
5352	60	m 1, 2 n	11.17	04,*04*	B
5376	60	o 1, 1 p	11.72	*01*,01	B
5465	60	s 1, 1 t	12.70	03,*02*	B
5497	60	q 2, 1 r	12.37	04,*04*	B
"	"	r 2, 1 s	12.58	05 *05*	B
5730	80	p 2, N	*12.0*		B
5872	10	q 2, 1 r	12.37	04,*04*	B
"	"	p 2, 3 q	11.97	06,*06*	B
5911	60	e 3, 2 f	9.69	14,*14*	B
5919	60	d 2, 3 e	9.36	12,*13*	B
6073	10	p 1, N	*11.9*		B
6183	10	p 2, 1 q	12.07	*04*,04	B
6221	10	m 1, 2 n	11.17	04,*04*	B
6226	61	l 2	11.01	A	B
6233	60	g 3, 3 h	10.17	20,*20*	B
6239	60	g 1, 3 h	10.07	10,*10*	B
6242	65	f 2, 3 g	9.86	09,*09*	B
6253	60	c 2, 3 d	9.09	11,*11*	B
6268	60	b 3, 2 c	8.90	10,*10*	B
6279	66	b 3, 2 c	8.90	10,*10*	B
6282	61	c 2, 2 d	9.14	06,*06*	B
6472	10	q 1, N	*12.3*		B
6582	13	f 2, 3 g	9.86	09,*09*	B
6582	10	f 1, 2 g	9.86	*01*,01	B
6591	60	c 2, 2 d	9.14	06,*06*	B
6594	60	b 3, 2 c	8.90	10,*10*	B
6603	60	b 2, 3 c	8.80	10,*10*	B
6607	60	a 3, 2 b	8.51	01,*01*	B
6612	63	a 3, 2 b	8.51	01,*01*	B
6624	60	a 3, 1 b	8.56	*04*,04	B
6636	60	b 2, 3 c	8.80	10,*10*	B
6649	62	b 2, 2 c	8.85	05,*05*	B
6801	10	p 1, N	*11.9*		B
6918	60	f 2, 3 g	9.86	09,*09*	B
6918	60	f 2, 3 g	9.86	09,*09*	B
6947	10	b 2, 2 c	8.85	05,*05*	B
6948	60	a 1, 2 b	8.41	*09*,09	B
"	"	b 2, 2 c	8.85	05,*05*	B
6958	60	b 3, 3 c	8.85	15,*15*	B
6976	10	b 2, 1 c	8.90	00,00	B
6976	60	c 2, 3 d	9.09	11,*11*	B
6977	60	b 3, 1 c	8.95	05,*05*	B
6979	10	c 2, 1 d	9.19	01,*01*	Be
7000	67	f 2, 1 g	9.96	*01*,01	B

44. *082405*. RT HYDRAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
0715	62	b 3, 1 c	8.50	00,00	F
1348	20	c 1, 3 d	8.70	00,00	F
1463	14	a 2, 2 b	8.00	00,00	F
1469	13	b 3, 1 c	8.50	00,00	F

44. *082405*. RT HYDRAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1487	8	b 1, 3 c	8.30	00,00	F
1672	14	d 3, 1 e	9.28	02,*03*	F
1782	10	c 2, 2 d	8.80	00,00	F
1817	10	d 2, 2 e	9.18	02,*03*	F
2074	12	d 2, 2 e	9.18	02,*03*	Fe
2074	35	d 3, 1 e	9.28	02,*03*	F
2134	23	d 3, 1 e	9.28	02,*03*	F
2134	12	d 3, 1 e	9.28	02,*03*	F
2146	10	e 1, 3 f	9.41	04,*04*	F
2174	13	e 1, 3 f	9.41	04,*04*	F
2503	12	c 1, 3 d	8.70	00,00	F
2510	11	b 2, 2 c	8.40	00,00	F
2511	*38*	b 2, 2 c	8.40	00,00	F
2525	10	b 3, 1 c	8.50	00,00	Fe
2530	17	a 3, 1 b	8.10	00,00	F
2536	*62*	a 4, 0 b, 4 c	8.20	00,00, 00	F
2541	*68*	b 1, 3 c	8.30	00,00	F
2571	10	a 3, 1 b	8.10	00,00	F
2571	10	a 2, 2 b	8.00	00,00	F
2895	10	e 2, 1 f	9.56	*01*,01	F
2970	10	b 3, 1 c	8.50	00,00	F
2970	10	b 4, 0 c, 4 d	8.60	00,00, 00	F
3146	10	e 2, 2 f	9.51	04,*04*	F
3258	13	b 1, 5 d	8.40	*10*,10	Fe
3528	13	b 1, 3 c	8.30	00,00	F
3530	19	2 d	8.80	A	Bp
3544	*10*	b 1, 3 c	8.30	00,00	F
3548	14	b 2, 2 c	8.40	00,00	F
3549	12	b 4, 3 d	8.65	*05*,05	Fe
3570	10	a 2, 2 b	8.00	00,00	F
"	"	b 2, 2 c	8.40	00,00	B
3592	14	d 3, 1 e	9.28	02,*03*	B
3650	10	e 3, 1 f	9.61	04,*04*	B
3658	24	d 2, 2 e	9.18	02,*03*	B
3659	10	d 2, 2 e	9.18	02,*03*	B
3914	15	d 2, 2 e	9.18	02,*03*	B
3917	10	e 2, 1 f	9.56	*01*,01	B
3937	30	d 4, 0 e, 3 f	9.37	03,*02*, 00	F
3940	16	c 3, 1 d	8.90	00,00	Fe
3943	11	b 3, 1 c	8.50	00,00	F
3944	14	c 1, 3 d	8.70	00,00	F
3983	13	b 1, 3 c	8.30	00,00	F
4013	11	c 2, 2 d	8.80	00,00	F
4065	*60*	c 1, 3 d	8.70	00,00	F
4228	20	c 2, 2 d	8.80	00,00	F
4358	17	b 3, 2 c	8.45	05,*05*	B
4363	*67*	d 2, 2 e	9.18	02,*03*	B
4366	*80*	d 1, 3 e	9.08	02,*03*	B
4401	11	d 2, 1 e	9.22	*02*,03	B
4424	*82*	d 3, 2 e	9.22	08,*07*	B
4579	61	d 1, 3 e	9.08	02,*03*	B
4653	16	d 3, 1 e	9.28	02,*03*	B
4680	13	e 1, 2 f	9.46	*01*,01	B
4690	*83*	e 1, 2 f	9.46	*01*,01	B
4706	26	d 2, 2 e	9.18	02,*03*	B
4713	11	e 1, 2 f	9.46	*01*,01	B
4776	*88*	c 2, 1 d	8.85	*05*,05	B
4780	*60*	c 2, 2 d	8.80	00,00	B
4948	11	f 2, 1 g	9.88	*01*,01	B
4949	10	g 1, 2 h	10.09	00,00	B
4956	*64*	f 1, 2 g	9.78	*01*,01	B
4978	29	b 2, 3 c	8.35	05,*05*	B
4982	10	c 3, 3 d	8.80	10,*10*	B
4992	62	b 3, 2 c	8.45	05,*05*	B
4993	60	b 4, 2 c	8.50	10,*10*	Bi
4995	75	d 3, 3 e	9.18	12,*13*	B
4995	61	d 2, 3 e	9.12	08,*07*	Bi
5022	60	d 1, 3 e	9.08	*08*,07	B
5064	15	d 2, 2 e	9.18	02,*03*	B
5070	60	d 3, 1 e	9.28	02,*03*	B
5072	67	d 3, 2 e	9.22	08,*07*	B
5082	13	c 2, 2 d	8.80	00,00	B
5095	73	c 1, 3 d	8.70	00,00	B
5111	67	b 3, 2 c	8.45	05,*05*	B
5117	64	b 3, 3 c	8.40	10,*10*	B
5119	10	a 2, 1 b	8.05	*05*,05	B
5121	10	b 2, 3 c	8.35	05,*05*	B
5121	73	b 3, 2 c	8.45	05,*05*	B
5125	77	b 1, 3 c	8.30	00,00	B
5127	60	b 2, 3 c	8.35	05,*05*	B
5148	11	b 2, 1 c	8.45	*05*,05	Bp
5343	10	c 2, 2 d	8.80	00,00	B
5365	10	c 1, 2 d	8.75	*05*,05	B
5367	10	b 3, 1 c	8.50	00,00	B
5367	60	c 2, 3 d	8.75	05,*05*	B
5371	79	b 3, 2 c	8.45	05,*05*	B
5379	85	b 3, 3 c	8.40	10,*10*	B
5383	90	b 2, 0 c, 3 d	8.57	*17*,03, 13	B
5386	11	b 2, 1 c	8.45	*05*,05	B
5423	22	c 2, 1 d	8.85	*05*,05	B
5423	60	c 1, 0 d, 2 e	8.95	*25*,05, 20	B
5426	72	d 1, 3 e	9.08	02,*03*	B
5437	70	d 3, 3 e	9.18	12,*13*	B
5471	60	e 2, 1 f	9.56	*01*,01	B
5471	10	e 2, 2 f	9.51	04,*04*	B
5473	10	f 1, 2 g	9.78	*01*,01	B
5481	69	d 3, 2 e	9.22	08,*07*	B
5481	11	f 1, 3 g	9.73	04,*04*	B
5481	8	e 2, 1 f	9.56	*01*,01	Bd
5498	10	e 1, 1 f	9.51	*06*,06	B
5502	63	d 3, 2 e	9.22	08,*07*	B
5512	70	d 3, 3 e	9.18	12,*13*	B
5532	10	b 3, 2 c	8.45	05,*05*	B
5533	10	b 1, 2 c	8.35	*05*,05	B
5533	64	b 3, 2 c	8.45	05,*05*	B
5682	53	d 3, 2 e	9.22	08,*07*	B
5685	10	d 3, 1 e	9.28	02,*03*	B
5690	16	e 1, 1 f	9.51	*06*,06	B
5694	89	d 3, 2 e	9.22	08,*07*	B
5695	72	d 2, 0 e, 2 f	9.34	*14*,01, 13	B
5701	60	e 3, 3 f	9.51	14,*14*	B
5707	10	e 3, 2 f	9.56	09,*09*	B
5710	98	e 3, 2 f	9.56	09,*09*	B
5723	10	f 2, 3 g	9.78	09,*09*	B
5724	84	f 1, 2 g	9.78	*01*,01	B
5744	11	f 2, 1 g	9.88	*01*,01	B
5749	72	f 1, 2 g	9.78	*01*,01	B
5750	60	f 2, 3 g	9.78	09,*09*	B
5751	73	e 2, 1 f	9.56	*01*,01	B
5753	97	f 2, 2 g	9.83	04,*04*	B
5767	61	d 2, 2 e	9.18	02,*03*	B
5767	19	d 3, 1 e	9.28	02,*03*	B
5791	27	a 2, 1 b	8.05	*05*,05	B
5791	28	b 1, 3 c	8.30	00,00	B
5808	71	b 3, 2 c	8.45	05,*05*	B
5812	64	b 3, 3 c	8.40	10,*10*	B
5815	76	b 3, 2 c	8.45	05,*05*	B
5840	60	c 3, 2 d	8.85	05,*05*	B
5841	10	b 2, 2 c	8.40	00,00	B
5842	63	b 4, 2 c	8.50	10,*10*	B
5870	60	c 1, 2 d	8.75	*05*,05	B
5885	10	b 2, 2 c	8.40	00,00	B
5886	10	b 2, 3 c	8.35	05,*05*	B
5889	60	b 3, 1 c	8.50	00,00	B
5911	60	b 4, 1 c	8.55	05,*05*	B

44. *082405.* RT HYDRAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5915	60	c 2, 2 d	8.80	00,00	B
6020	60	d 3, 2 e	9.22	08,*07*	B
6033	60	d 1, 3 e	9.08	02,*03*	B
6037	57	c 3, 2 d	8.85	05,*05*	B
6061	60	b 3, 2 c	8.45	05,*05*	B
6063	64	b 1, 3 c	8.30	00,00	B
6073	77	b 3, 2 c	8.45	05,*05*	B
6078	60	b 3, 3 c	8.40	10,*10*	B
6088	60	b 3, 3 c	8.40	10,*10*	B
6089	62	b 3, 0 c, 2 d	8.63	*13*,*03*, 17	B
6089	61	b 3, 1 c	8.50	00,00	B
6093	95	b 2, 3 c	8.35	05,*05*	B
6112	100	b 4, 1 c	8.55	05,*05*	B
6114	65	b 4, 2 c	8.50	10,*10*	B
6130	11	b 2, 1 c	8.45	*05*,05	B
6131	10	b 1, 2 c	8.35	*05*,05	B
6132	12	b 2, 1 c	8.45	*05*,05	B
6132	10	b 2, 0 c, 1 d	8.63	*23*,*03*, 27	B
6133	84	b 3, 1 c	8.50	00,00	B
6134	63	c 1, 2 d	8.75	*05*,05	B
6159	81	c 1, 2 d	8.75	*05*,05	B
6159	69	b 4, 2 c	8.50	10,*10*	B
6160	78	b 4, 2 c	8.50	10,*10*	B
6164	68	b 3, 2 c	8.45	05,*05*	B
6165	60	c 1, 2 d	8.75	*05*,05	B
6172	65	c 1, 2 d	8.75	*05*,05	B
6176	70	c 1, 2 d	8.75	*05*,05	B
6189	71	d 2, 3 e	9.12	08,*07*	B
6191	59	d 3, 1 e	9.28	02,*03*	B
6193	54	d 3, 2 e	9.22	08,*07*	B
6220	10	f 1, 2 g	9.78	*01*,01	Bd
6226	60	e 3, 2 f	9.56	09,*09*	B
6226	10	f 3, 3 g	9.83	14,*14*	B
6230	11	f 2, 3 g	9.78	09,*09*	B
6230	60	f 2, 3 g	9.78	09,*09*	B
6230	62	e 3, 2 f	9.56	09,*09*	B
6240	60	e 3, 2 f	9.56	09,*09*	B
6240	10	e 2, 0 f, 1 g	9.70	*15*,*03*, 19	B
6242	10	f 2, 3 g	9.78	09,*09*	B
6250	66	f 1, 2 g	9.78	*01*,01	B
6253	60	e 2, 2 f	9.51	04,*04*	B
6269	60	e 2, 3 f	9.46	09,*09*	B
6280	60	e 1, 3 f	9.41	04,*04*	B
6413	67	b 4, 1 c	8.55	05,*05*	B

44. *082405.* RT HYDRAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6417	57	b 5, 2 c	8.55	15,*15*	B
6420	82	b 4, 2 c	8.50	10,*10*	B
6437	60	b 2, 1 c	8.45	*05*,05	B
6461	61	d 3, 3 e	9.18	12,*13*	B
6462	81	d 2, 2 e	9.18	02,*03*	B
6464	66	d 3, 2 e	9.22	08,*07*	B
6471	60	d 3, 1 e	9.28	02,*03*	B
6471	67	d 3, 1 e	9.28	02,*03*	B
6472	70	d 3, 2 e	9.22	08,*07*	B
6473	65	d 3, 2 e	9.22	08,*07*	B
6490	77	e 3, 1 f	9.61	04,*04*	B
6496	64	f 1, 2 g	9.78	*01*,01	B
6498	61	e 3, 2 f	9.56	09,*09*	B
6504	47	e 3, 3 f	9.51	14,*14*	B
6504	*67*	e 2, 1 f	9.56	*01*,01	B
6507	60	e 3, 2 f	9.56	09,*09*	B
6514	16	f 2	9.87	A	B
6519	*60*	d 2, 2 e	9.18	02,*03*	B
6524	13	e 1, 3 f	9.41	04,*04*	B
6528	*74*	d 2, 3 e	9.12	08,*07*	B
6533	38	d 3, 3 e	9.18	12,*13*	B
6534	62	d 3, 3 e	9.18	12,*13*	B
6536	64	d 3, 2 e	9.22	08,*07*	B
6544	*14*	d 1, 3 e	9.08	02,*03*	B
6544	86	d 2, 3 e	9.12	08,*07*	B
6552	104	b 4, 1 c	8.55	05,*05*	B
6556	60	b 3, 2 c	8.45	05,*05*	B
6566	10	b 2	8.40	A	Be
6575	63	b 3, 1 c	8.50	00,00	B
6576	70	c 1, 2 d	8.75	*05*,05	B
6578	69	b 3, 2 c	8.45	05,*05*	B
6584	64	b 4, 2 c	8.50	10,*10*	B
6585	61	b 4, 1 c	8.55	05,*05*	B
6603	11	b 2, 2 c	8.40	00,00	B
6604	10	b 2, 1 c	8.45	*05*,05	Be
6605	66	b 4, 1 c	8.55	05,*05*	B
6608	62	b 4, 1 c	8.55	05,*05*	B
6614	61	b 4, 3 c	8.45	15,*15*	B
6634	60	b 4, 2 c	8.50	10,*10*	B
6787	63	b 4, 1 c	8.55	05,*05*	B
6787	10	c 1, 2 d	8.75	*05*,05	B
6789	10	d 3, 2 e	9.22	08,*07*	B
6794	61	b 4, 1 c	8.55	05,*05*	B
6796	11	d 2, 2 e	9.18	02,*03*	B
6799	61	c 1, 2 d	8.75	*05*,05	B
6801	69	c 1, 1 d	8.80	*10*,10	B
6801	68	d 1, 2 e	9.12	*02*,03	B

44. *082405.* RT HYDRAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6802	60	b 3, 2 c	8.45	05,*05*	B
6806	57	d 2, 3 e	9.12	08,*07*	B
6811	64	d 3, 3 e	9.18	12,*13*	B
6812	64	c 1, 2 d	8.75	*05*,05	B
6813	62	c 2, 2 d	8.80	00,00	B
6818	61	d 2, 3 e	9.12	08,*07*	B
6820	72	d 2, 2 e	9.18	02,*03*	Bd
6820	10	d 3, 2 e	9.22	08,*07*	B
6821	60	c 1, 2 d	8.75	*05*,05	B
6823	10	d 3, 3 e	9.18	12,*13*	B
6824	10	d 3, 1 e	9.28	02,*03*	B
6828	76	d 1, 2 e	9.12	*02*,03	B
6829	57	d 3, 2 e	9.22	08,*07*	B
6834	53	c 3, 2 d	8.85	05,*05*	B
6847	63	b 3, 0 c, 1 d	8.67	*17*,*07*, 23	B
6869	82	d 1, 2 e	9.12	*02*,03	B
6871	62	c 1, 3 d	8.70	00,00	B
6876	60	b 4, 2 c	8.50	10,*10*	B
6884	*65*	d 1, 2 e	9.12	*02*,03	B
6887	*108*	c 2, 1 d	8.85	*05*,05	B
6888	62	c 3, 1 d	8.90	00,00	B
6900	69	b 4, 2 c	8.50	10,*10*	B
6900	54	b 4, 2 c	8.50	10,*10*	B
6905	66	b 4, 3 c	8.45	15,*15*	B
6906	57	c 1, 2 d	8.75	*05*,05	B
6907	19	c 2, 1 d	8.85	*05*,05	B
6909	50	b 3, 2 c	8.45	05,*05*	B
6911	107	c 3, 2 d	8.85	05,*05*	B
6916	13	b 2, 3 c	8.35	05,*05*	Be
6918	62	b 3, 3 c	8.40	10,*10*	B
6928	74	b 4, 1 c	8.55	05,*05*	B
6928	11	b 2, 3 c	8.35	05,*05*	B
6932	60	b 3, 2 c	8.45	05,*05*	B
6935	60	b 4, 1 c	8.55	05,*05*	B
6936	74	c 3, 2 d	8.85	05,*05*	B
6937	10	c 1, 1 d	8.80	*10*,10	B
6937	*80*	d 1, 2 e	9.12	*02*,03	B
6941	61	b 4, 2 c	8.50	10,*10*	B
6943	78	b 3, 1 c	8.50	00,00	B
6959	64	d 2, 2 e	9.18	02,*03*	B
6959	*59*	d 1, 3 e	9.08	02,*03*	B
6967	62	d 3, 1 e	9.28	02,*03*	B
6967	60	d 2, 3 e	9.12	08,*07*	B
6977	10	d 3, 2 e	9.22	08,*07*	B
6978	64	d 3, 2 e	9.22	08,*07*	B
6988	62	e 3, 0 f,	9.67	*02*,00,	B

44. *082405*. RT HYDRAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
		3 g		02	
6991	70	e 3, 2 f	9.56	09,*09*	B
7147	60	c 1, 1 d	8.80	*10*,10	B
7175	90	b 2, 3 c	8.35	05,*05*	B
7185	65	b 1, 3 c	8.30	00,00	B

45. 083350. X URSAE MAJORIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1434	10	m 1, N	*12.5*		B
2105	*60*	g 1, 2 h	11.18	03,*02*	B
2144	14	n 2, 1 o	12.83	00,00	B
2174	17	n 4, N	*13.0*		B
2463	12	n 2, N	*12.8*		B
2552	11	f 1, 2 g	10.86	*05*,05	B
2552	11	e 2, 3 f	10.55	14,*14*	B
2554	12	e 2, 3 f	10.55	14,*14*	B
2559	19	c 2, 2 d	10.04	05,*05*	B
2655	13	l 1, N	*12.1*		B
2817	11	e 3, 2 f	10.65	14,*14*	B
2848	10	h 3	11.66	A	Bp
2854	11	h 1, 2 k	11.45	01,*01*	B
2884	12	l 3, 2 m	12.30	09,*09*	B
2895	12	l 2	12.29	A	B
2904	11	p 2, 1 q	13.43	00,00	B
2907	10	o 2, 1 p	13.13	00,00	B
3180	11	n 3, N	*12.9*		B
3258	12	m 1, N	*12.5*		B
3531	17	k 3	11.94	A	B
3560	12	c 2, 1 d	10.09	00,00	B
3646	10	k 3	11.94	A	B
3658	10	p 2, 1 q	13.43	00,00	B
3659	12	n 2, 1 o	12.83	00,00	B
3659	15	p 2, 1 q	13.43	00,00	B
3660	10	p 2, 1 q	13.43	00,00	B
3917	11	n 3, N	*12.9*		B
3960	10	n 3, N	*12.9*		B
4015	11	0 2, 1 p	13.13	00,00	B
4274	13	p 2, 1 q	13.43	00,00	B
4274	13	o 2, 1 p	13.13	00,00	B
4359	21	h 2, 1 k	11.55	01,*01*	B
4359	18	l 3, 2 m	12.30	09,*09*	B
"	"	k 2, 1 l	11.92	*08*,07	B
4383	22	l 1, 1 m	12.25	*06*,06	B
4383	13	k 3, 1 l	11.96	*02*,03	B
4387	11	m 1, 2 n	12.47	04,*04*	B
4622	10	h 2, 1 k	11.55	01,*01*	B

45. 083350. X URSAE MAJORIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4625	9	h 1, 2 k	11.45	01,*01*	Bp
4647	15	m 2, 1 n	12.57	04,*04*	B
4649	10	n 2, 1 o	12.83	00,00	B
5009	18	p 2, 1 q	13.43	00,00	B
5022	57	n 2, 1 o	12.83	00,00	B
5022	69	n 2, 1 o	12.83	00,00	B
5022	66	m 1, 2 n	12.47	04,*04*	Bdi
5026	63	l 2, 1 m	12.30	*01*,01	B
5028	59	l 1, 2 m	12.20	*01*,01	B
5091	20	e 2, 3 f	10.55	14,*14*	B
5118	11	h 1, 2 k	11.45	01,*01*	B
5118	12	h 3, 2 k	11.55	11,*11*	B
5118	11	h 3, 1 k	11.60	06,*06*	B
5365	19	k 2, 3 l	11.82	02,*03*	B
5365	84	h 2, 2 k	11.50	06,*06*	B
5443	10	n 4, N	*13.0*		B
5471	17	n 4, N	*13.0*		B
5719	13	n 3, N	*12.9*		B
5787	64	f 2, 1 g	10.96	*05*,05	B
5791	34	f 3, 2 g	10.96	05,*05*	B
5793	10	e 1, 2 f	10.55	04,*04*	B
5796	10	e 3, 2 f	10.65	14,*14*	B
5813	64	e 3, 3 f	10.60	19,*19*	B
5815	*109*	f 3, 2 g	10.96	05,*05*	B
5823	66	e 2, 2 f	10.60	09,*09*	B
5823	66	e 2, 2 f	10.60	09,*09*	B
5834	67	e 2, 1 f	10.65	04,*04*	B
5843	95	f 1, 2 g	10.86	*05*,05	B
6051	..	b 2, 3 c	9.38	*21*,21	B
6061	94	b 3, 2 c	9.48	*21*,21	B
6077	68	e 3, 2 f	10.65	14,*14*	B
6087	69	f 1, 2 g	10.86	*05*,05	B
6092	75	f 2, 1 g	10.96	*05*,05	B
6170	10	n 2, N	*12.8*		B
6222	71	k 2, 2 l	11.86	*02*,03	B
6460	67	f 2, 3 g	10.86	05,*05*	B
6520	*65*	h 1, 2 k	11.45	01,*01*	B
6527	65	f 1, 2 g	10.86	*05*,05	B
6536	61	e 3, 2 f	10.65	14,*14*	B
6545	72	d 2, 1 e	10.39	00,00	Bd
6545	*44*	e 2, 1 f	10.65	05,*05*	Bd
6549	62	e 1, 2 f	10.55	04,*04*	B
6553	69	e 3, 2 f	10.65	14,*14*	B
6570	59	c 3, 3 d	10.04	15,*15*	B
6574	68	e 3, 2 f	10.65	14,*14*	B
6574	60	c 2, 3 d	9.99	10,*10*	B
"	"	d 2, 1 e	10.39	00,00	B

45. 083350. X URSAE MAJORIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6584	61	f 2, 2 g	10.91	00,00	B
6769	60	e 3, 2 f	10.65	14,*14*	B
6771	66	d 2, 1 e	10.39	00,00	B
6775	62	c 1, 2 d	9.99	00,00	B
6781	60	b 3, 1 c	9.53	*26*,26	B
6786	89	c 2, 3 d	9.99	10,*10*	B
6793	53	c 3, 2 d	10.09	10,*10*	B
6796	63	c 3, 2 d	10.09	10,*10*	B
6803	64	c 2, 3 d	9.99	10,*10*	B
6804	55	c 2, 2 d	10.04	05,*05*	B
6806	68	d 2, 1 e	10.39	00,00	B
6813	60	e 1, 3 f	10.50	09,*09*	B
6815	*68*	c 2, 1 d	10.09	00,00	B
6816	62	e 1, 2 f	10.55	04,*04*	B
6819	61	e 3, 3 f	10.60	19,*19*	B
6828	60	e 3, 0 f, 1 g	10.84	*05*,*13*, 17	B
6829	71	f 1, 2 g	10.86	*05*,05	B
6831	85	f 1, 2 g	10.86	*05*,05	B
6833	60	f 2, 2 g	10.91	00,00	B
6850	62	h 1, 2 k	11.45	01,*01*	B
6854	60	k 2, 1 l	11.92	*08*,07	B
6909	19	n 3, N	*12.9*		B

47. 090425. W CANCRI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1343	17	g 1, 4 h	11.54	*05*,05	F
1709	64	d 4, 1 e	10.24	*03*,03	F
1711	59	d 4, 1 e	10.24	*03*,03	F
1716	58	e 1, 4 f	10.46	01,*01*	F
1720	59	e 3, 3 f	10.61	06,*06*	F
1731	12	e 3, 1 f	10.71	*04*,04	F
1818	9	g 2, 3 h	11.64	*05*,05	F
2144	11	h 2, 2 k	12.24	*05*,05	F
2165	10	k 3, 1 l	12.80	*01*,02	F
2198	11	m 2, N	*13.5*		F
2535	11	g 5, 1 h	11.89	00,00	F
2541	11	h 4, 1 k	12.39	00,00	F
2790	10	e 3, 3 f	10.61	06,*06*	F
2831	15	c 3, 2 d	9.60	*01*,01	F
2836	*60*	c 3, 1 d	9.65	*06*,06	F
2854	11	d 2, 4 e	9.99	02,*02*	F
2918	10	h 1	12.09	A	F
3148	10	g 4, 0 h	11.89	*10*,10	F
3217	*62*	c 4, 0 d, 5 e	9.79	*10*,02, 08	F

47. 090425. W Cancri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3258	11	d 1, 4 e	9.94	*03*,03	F
3323	6	h 1, 3 k	12.14	*05*,05	F
3586	11	e 1, 2 f	10.56	*09*,09	B
3614	14	d 1, 2 e	10.04	*13*,13	B
3632	15	e 1, 2 f	10.56	*09*,09	B
3660	10	f 2, 1 g	11.17	*12*,12	B
3660	10	f 2, 1 g	11.17	*12*,12	B
3672	10	g 2, 1 h	11.74	*15*,15	B
3687	11	h 1, N	*12.0*		B
3878	14	l 1, N	*13.0*		B
3897	15	l 1, N	*13.0*		B
3908	14	k 1, 1 l	12.70	*11*,12	B
3930	23	g 1, 1 h	11.69	*20*,20	B
3957	*63*	b 2, 2 c	9.09	00,00	B
3963	*60*	b 1, 1 c	9.09	*10*,10	B
3980	12	a 2, 1 b	8.81	02 *02*	B
3995	10	b 2, 1 c	9.14	*05*,05	B
4015	14	c 1, 1 d	9.55	*16*,16	B
4016	10	b 2, 2 c	9.09	00,00	B
4016	17	b 2, 1 c	9.14	*05*,05	B
4039	18	e 2, 2 f	10.61	*04*,04	B
4207	10	m 1, N	*13.4*		B
4235	13	m 1, N	*13.4*		B
4306	*62*	k 2, 1 l	12.76	*07*,06	Bd
4307	23	m 2, N	*13.5*		B
4338	*63*	g 2, 1 h	11.74	*15*,15	B
4345	30	g 3, 2 h	11.79	*05*,05	Bd
4352	10	f 2, 1 g	11.17	*12*,12	B
4380	19	e 1, 2 f	10.56	*09*,09	B
4417	12	f 2, 1 g	11.17	*12*,12	B
4647	14	m 1, N	*13.4*		B
4713	13	k 1, 1 l	12.70	*11*,12	B
4734	13	f 1, 1 g	11.12	*17*,17	B
4751	87	c 3, 3 d	9.55	04,*04*	B
4766	65	b 3, 1 c	9.19	00,00	B
4771	*65*	c 1, 2 d	9.50	*11*,11	B
4974	10	h 1, N	*12.0*		B
5127	61	d 3, 2 e	10.14	*03*,03	B
5365	13	l 1, N	*13.0*		B
5398	87	m 2, N	*13.5*		B
5481	60	g 2, 1 h	11.74	*15*,15	B
5488	21	f 3, 2 g	11.17	*02*,02	B
5514	66	b 3, 1 c	9.19	00,00	B
5521	58	b 3, 2 c	9.14	05,*05*	B
5725	129	g 2, 2 h	11.69	*10*,10	B
5791	80	m 2, 1 n¹	13.50	02,*03*	B
5843	20	l 1, 2 m	13.07	*05*,05	B
5871	66	h 1, 2 k	12.19	*10*,10	B
5875	10	g 2, 3 h	11.64	*05*,05	B
5913	72	c 2, 3 d	9.50	*01*,01	B
5919	60	b 3, 2 c	9.14	05,*05*	B
6029	12	f 2, 1 g	11.17	*12*,12	B
6052	117	g 3, 2 h	11.74	*05*,05	B
6089	65	h 2	12.19	A	B
6166	15	m 2, N	*13.5*		B
6191	21	m 3, N	*13.6*		B
6414	82	f 3, 2 g	11.17	*02*,02	B
6417	69	f 3, 2 g	11.17	*02*,02	B
6433	*98*	g 1, 1 h	11.69	*20*,20	B
6433	*87*	g 2, 1 h	11.74	*15*,15	B
6433	89	g 1	11.49	A	B
6433	98	g 3, 0 h	11.84	*15*,15	Bd
6439	75	g 2, 2 h	11.69	*10*,10	B
6444	86	h 3, 1 k	12.34	*05*,05	B
6464	76	h 2, 2 k	12.24	*05*,05	B
6552	20	n¹ 2, N	*13.7*		B
6771	46	c 3, 2 d	9.60	*01*,01	B
6781	56	e 1, 2 f	10.56	*09*,09	B
6799	92	d 3, 1 e	10.19	*08*,08	B
"	"	e 2, 1 f	10.66	*09*,09	B
6799	71	e 1, 3 f	10.51	*04*,04	B
6799	*64*	e 2, 1 f	10.66	*09*,09	B
6804	66	e 3, 2 f	10.66	01,*01*	B
6816	55	e 3, 2 f	10.66	01,*01*	B
6816	64	f 3, 2 g	11.17	*02*,02	B
6831	79	g 2, 2 h	11.69	*10*,10	B
6843	101	g 2, 2 h	11.69	*10*,10	B
6928	10	m 3, N	*13.6*		B
7147	81	c 3, 2 d	9.60	*01*,01	B
7164	66	d 3, 2 e	10.14	*03*,03	B
7171	63	d 3, 1 e	10.19	*08*,08	B
7173	127	d 3, 2 e	10.14	*03*,03	B
7184	66	e 3, 2 f	10.66	01,*01*	B
7202	67	e 3, 1 f	10.71	*04*,04	B

49. *091868.* RW Carinae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1477	67	l 1, N	*10.8*		B
1489	12	l 1	10.89	A	B
1489	12	l 1, N	*10.8*		B
1870	60	c 3, 3 d	8.93	00,00	B
2174	10	d 2, 2 e	9.36	07,*08*	B
2188	39	c 1, 4 d	8.78	*05*,05	B
2915	35	k 1, 1 l	10.65	*04*,04	B
2925	35	l 2	10.99	A	B
3145	10	d 1, 2 e	9.30	03,*02*	B
3145	11	c 3, 2 d	8.98	*05*,05	B
3177	10	e 1, 2 f	9.57	01,*01*	B
3323	10	o 1, N	*11.6*		B
3644	10	n 1, N	*11.3*		B
3888	12	m 2, 2 n	11.12	09,*09*	B
3891	10	n 1	11.33	A	B
3996	*60*	n 1, N	*11.3*		B
4037	10	d 3	9.53	A	Bp
4079	10	g 2, 2 h	10.14	07,*08*	B
4081	10	g 2, 2 h	10.14	07,*08*	B
4086	11	e 1, 2 f	9.57	01,*01*	B
4300	14	n 1, N	*11.3*		B
4366	11	m 1, N	*11.1*		B
4406	10	f 1, 2 g	9.84	02,*03*	B
4408	47	e 1, 1 f	9.62	*04*,04	B
4409	60	f 2, 0 g, 2 h	10.01	*05*,00, 05	B
4431	*71*	c 2, 2 d	8.93	*10*,10	Bd
4436	60	b 2, 3 c	8.48	15,*15*	B
4773	10	c 3, 2 d	8.98	*05*,05	B
4777	10	c 4, 3 d	8.98	05,*05*	B
4785	10	c 4, 3 d	8.98	05,*05*	B
4791	10	d 2, 1 e	9.40	03,*02*	B
5071	12	e 1	9.58	A	Bp
5071	10	d 2, 1 e	9.40	03,*02*	B
"	"	e 1, 2 f	9.57	01,*01*	B
5072	55	f 2, 3 g	9.84	12,*13*	B
5116	66	f 2, 2 g	9.88	08,*07*	B
5117	11	f 1, 2 g	9.84	02,*03*	B
5117	10	f 1, 2 g	9.84	02,*03*	B
5128	53	f 2, 1 g	9.94	02,*03*	B
5352	60	l 3, 2 m	10.95	14,*14*	B
5365	10	h 1, 2 k	10.34	02,*03*	B
5376	60	e 1, 2 f	9.57	01,*01*	B
5381	63	d 3, 2 e	9.40	13,*12*	B
5415	11	d 2, 3 e	9.30	13,*12*	B
5467	214	g 2, 1 h	10.18	03,*02*	B
5495	60	m 1, 3 n	11.02	09,*09*	B
5497	60	m 1, 2 n	11.07	04,*04*	B
5516	61	n 2, 1 o	11.42	01,*02*	B
5518	60	n 2, 1 o	11.42	01,*02*	B
5723	10	d 3, 2 e	9.40	13,*12*	B
5733	61	c 2, 1 d	8.98	*15*,15	B
5739	60	d 1, 2 e	9.30	03,*02*	B

49. *091868*. RW Carinae.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5754	60	f 2, 3 g	9.84	12,*13*	B
5793	62	h 2, 2 k	10.38	08,*07*	B
5870	10	o 2, N	*11.7*		B
6047	44	c 4, 2 d	9.03	00,00	B
6073	63	f 1, 2 g	9.84	02,*03*	B
6073	10	f 2, 3 g	9.84	12,*13*	B
6090	60	h 1, 2 k	10.34	02,*03*	B
6090	65	g 2, 2 h	10.14	07,*08*	B
6093	60	g 1, 3 h	10.04	07,*08*	B
6107	60	h 3	10.56	A	B
6108	63	k 1, 2 l	10.60	01,*01*	B
6131	15	m 2, 1 n	11.17	04,*04*	Bd
6221	10	o 2, N	*11.7*		B
6387	56	d 2, 3 e	9.30	13,*12*	B
6418	60	f 2, 2 g	9.88	08,*07*	B
6435	30	g 3, 2 h	10.18	13,*12*	B
6477	61	n 2, 2 o	11.36	07,*06*	B
6578	10	n 1, N	*11.3*		B
6624	60	h 3	10.56	A	B
6649	62	f 1, 2 g	9.84	02,*03*	B
6814	10	o 2, N	*11.7*		B
6937	75	l 2, 1 m	10.95	04,*04*	B
6957	10	f 3, 2 g	9.94	12,*13*	B
6958	60	f 3, 2 g	9.94	12,*13*	B
6976	60	c 3, 1 d	9.03	*10*,10	B
6977	60	c 3, 1 d	9.03	*10*,10	B
6979	10	c 3, 2 d	8.98	*05*,05	B
7000	67	c 2, 3 d	8.88	*05*,05	B

50. *092048*. RS Velorum.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1335	60	k 3, 2 l	10.94	15,*15*	B
1493	12	r 1, N	*13.1*		B
2236	60	p 1	12.34	A	B
2238	66	p 2, 1 q	12.45	*01*,01	B
2260	11	q 1, 2 r	12.74	*08*,07	B
2785	10	q 2	12.76	A	Be
2936	10	e 3, 2 f	9.69	09,*09*	B
2936	10	e 3, 1 f	9.74	04,*04*	B
2937	10	e 3, 0 f, 2 g	9.91	*13*,*11*, 24	B
2968	10	g 2, 3 h	10.41	14,*14*	B
3295	10	l 2, 1 m	11.18	01,*01*	B
3295	10	l 2, 1 m	11.18	01,*01*	B
3678	10	o 1, 3 p	11.94	00 00	B
3691	10	n 1, 2 o	11.68	04,*04*	B
3743	12	f 1, 2 g	10.02	*12*,13	B
3888	12	m 2, 1 n	11.50	*03*,02	B
"	"	n 2, 1 o	11.78	04,*04*	B
3891	10	o 2, 3 p	11.99	05,*05*	B
3953	10	p 2, N	*12.4*		B
4079	10	t 1, N	*13.5*		B
4279	12	h 2	10.77	A	B
4300	10	o 3, 1 p	12.14	00,00	B
4367	10	q 1, N	*12.6*		B
4749	60	p 1, 2 q	12.35	*01*,01	B
4753	12	p 1, 2 q	12.35	*01*,01	B
4767	10	q 2, 1 r	12.84	*08*,07	B
4784	10	q 1	12.66	A	B
4984	62	m 1, 1 n	11.44	*07*,08	B
4990	66	l 3	11 29	A	B
4991	60	h 3, 2 k	10.73	14,*14*	B
5039	12	f 1, 2 g	10.02	*12*,13	B
5071	10	f 3, 1 g	10.18	*08*,07	B
5072	11	f 3, 2 g	10.12	*02*,03	B
5105	53	h 2, 1 k	10.73	04,*04*	B
5105	60	h 1, 2 k	10.63	04,*04*	B
5109	60	h 3, 2 k	10.73	14,*14*	B
5116	66	k 2, 3 l	10.84	15,*15*	B
5116	10	l 2, 1 m	11.18	01,*01*	B
5120	10	k 2, 1 l	10.94	05,*05*	B
5351	10	r 1, 2 s	13.10	01,*01*	B
5411	12	h 3, 2 k	10.73	14,*14*	B
5441	60	e 1, 2 f	9.59	*01*,01	B
5459	61	e 3, 2 f	9.69	09,*09*	B
5470	60	e 1, 3 f	9.54	04,*04*	B
5473	10	e 4, 2 f	9.74	14,*14*	Be
5485	60	f 2, 3 g	10.02	*02*,03	B
5486	11	f 2, 1 g	10.12	*12*,13	B
5491	10	f 2, 3 g	10.02	*02*,03	B
5493	60	f 1, 2 g	10.02	*12*,13	B
5516	65	g 2, 2 h	10.46	09,*09*	B
5520	65	h 1, 2 k	10.63	04,*04*	B
5709	10	o 2, N	*12.0*		B
5767	63	o 2, 1 p	12.09	*05*,05	B
5817	60	l 2, 1 m	11.18	01,*01*	B
5829	10	g 1, 2 h	10.41	04,*04*	B
5842	74	e 2, 3 f	9.59	09,*09*	B
5851	10	c 2, 1 d	9.08	03,*02*	B
5852	10	d 2, 3 e	9.27	09,*09*	Be
5852	61	c 2, 1 d	9.08	03,*02*	B
5854	10	d 1, 2 e	9.27	*01*,01	B
5854	*60*	c 2, 1 d	9.08	03,*02*	B
	m.				
5869	60	d 2, 3 e	9.27	09,*09*	B
5880	60	d 2, 3 e	9.27	09,*09*	B
5885	60	d 3, 2 e	9.37	09,*09*	B
5889	10	d 1, 2 e	9.27	*01*,01	B
5910	60	e 3, 0 f, 3 g	9.88	*10*,*08*, 17	B
5920	60	f 1, 3 g	9.98	*08*,07	B
6093	60	u 1, 3 w	13.89	00,00	B
6108	60	t 1	13.59	A	B
6131	10	t 1, 2 u	13.59	00,00	B
6239	10	n 3, 1 o	11.83	09,*09*	B
6239	60	l 3, 2 m	11.18	11,*11*	B
6242	65	m 3, 2 n	11.50	07,*08*	B
6253	60	f 3, 2 g	10.12	*02*,03	B
6268	60	f 1, 3 g	9.98	*08*,07	B
6278	60	f 2, 3 g	10.02	*02*,03	B
6387	56	m 1, 1 n	11.44	*07*,08	B
6578	10	o 2	12.04	A	B
6603	60	m 2, 2 n	11.44	03,*02*	B
6618	64	n 3, 0 o, 2 p	11.93	*01*,*09*, 11	B
6635	68	m 2, 1 n	11.50	*03*,02	B
6649	62	h 3, 2 k	10.73	14,*14*	B
6784	62	h 3, 2 k	10.73	14,*14*	B
6785	60	g 1, 2 h	10.41	04,*04*	B
6789	60	g 2, 1 h	10.51	04,*04*	B
6795	66	h 1, 3 k	10.58	09,*09*	B
6802	62	h 4, 2 k	10.78	19,*19*	B
6814	10	k 2, 0 l, 1 m	11.05	*06*,*06*, 12	B
6820	64	l 2	11.19	A	B
6823	60	k 2, 2 l	10.89	10,*10*	B
6957	10	t 1, N	*13.5*		B
7185	65	g 3, 2 h	10.51	14,*14*	B

56. *101058*. Z Carinae.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1170	60	n 3	12.47	A	B
1489	12	l 3	11.62	A	F
1510	60	m 4, n 1, 2 o	12.24	*04*,03, 00	F
1510	60	n 2, 1 o	12.36	01,*02*	F
1861	*62*	c 0	8.59	A	F
1923	10	e 2	9.59	A	F
2175	60	h 4, 1 k	10.85	05,*05*	F
2219	71	h 4, 2 k	10.80	10,*10*	F

56. *101058.* Z CARINAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
2219	71	h 4	10.90	A	Fr
2222	*60*	h 3	10.80	A	F
2271	193	m 3, 2 n	12.04	06,*07*	F
2480	10	m 2, N	*12.0*		F
2558	*60*	d 3	9.31	A	F
2586	12	e 5, 1 f	9.76	13,*12*	F
2586	12	f 3, 2 g	9.98	06,*06*	B
2589	*95*	f 2, 2 g	9.93	01,*01*	F
2594	78	e 6, 0 f, 4 g	9.82	17,*08*, *10*	F
2597	*140*	d 2, 1 e	9.25	*04*,04	F
2785	10	m 3, N	*12.1*		F
2947	10	h 1, 3 k	10.60	00,00	B
2949	10	h 2, 3 k	10.65	05,*05*	B
2952	10	h 2, 2 k	10.70	00,00	B
2964	10	h 2, 1 k	10.75	*05*,05	Bd
2966	14	h 2, 2 k	10.70	00,00	B
2968	10	h 2, 2 k	10.70	00,00	B
2973	85	h 2, 1 k	10.75	*05*,05	B
2974	210	h 2, 1 k	10.75	*05*,05	B
2977	242	h 3, 2 k	10.75	05,*05*	B
2994	25	l 1, 1 m	11.56	*14*,14	B
3145	11	o 1, N	*12.5*		B
3260	10	l 2, 3 m	11.51	01,*01*	Br
3292	10	o 1, N	*12.5*		B
3322	10	l 2, 1 m	11.61	*09*,09	B
3323	10	l 2, 0 m	11.66	*14*,14	B
3323	10	l 1, 2 m	11.51	*09*,09	B
3346	10	h 2, 2 k	10.70	00,00	B
3346	10	g 2, 2 h	10.31	01,*01*	B
3348	10	g 3, 2 h	10.36	06,*06*	B
3348	10	h 2, 2 k	10.70	00,00	B
3348	10	h 2, 2 k	10.70	00,00	B
3348	10	h 1, 1 k	10.70	*10*,10	B
3376	12	h 2, 2 k	10.70	00,00	B
3376	10	h 2, 2 k	10.70	00,00	B
3377	10	h 2, 1 k	10.75	*05*,05	B
3377	10	h 2, 2 k	10.70	00,00	B
3657	54	o 2, N	*12.6*		B
3657	54	o 2, N	*12.6*		B
3679	10	n 1, 1 o	12.30	*03*,04	B
3692	10	l 4	11.72	A	B
3699	15	h 2, 1 k	10.75	*05*,05	B
3702	25	h 2, 2 k	10.70	00,00	B
3702	23	k 1, 2 l	11.06	*06*,06	B
3702	25	l 1 2 m	11.51	*09*,09	B
"	"	k 2, 2 l	11.11	*01*,01	B

56. *101058.* Z CARINAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3709	10	h 2, 2 k	10.70	00,00	B
3712	10	h 2, 2 k	10.70	00,00	B
3715	36	h 2, 2 k	10.70	00,00	B
3721	39	g 2, 1 h	10.36	*04*,04	B
3727	25	g 2, 1 h	10.36	*04*,04	B
3727	10	h 2, 3 k	10.65	05,*05*	B
3737	12	g 1, 0 h, 2 k	10.47	*25*,03, 23	B
3740	12	g 3, 2 h	10.36	06,*06*	B
3744	18	h 1, 3 k	10.60	00,00	B
3744	12	g 3, 1 h	10.41	01,*01*	B
3751	17	h 1, 2 k	10.65	*05*,05	B
3758	29	g 3, 1 h	10.41	01,*01*	B
3758	24	h 2, 2 k	10.70	00,00	B
3758	14	h 2, 2 k	10.70	00,00	B
3761	20	h 2, 2 k	10.70	00,00	B
3772	91	h 2, 0 k, 2 l	10.91	*21*,*01*, 21	B
3870	30	o 1, N	*12.5*		B
4056	24	p 2, 0 q	12.88	01,*01*	B
4057	28	n 3, 1 o	12.40	07,*06*	B
4074	30	m 2, 2 n	11.98	02,*01*	B
4074	30	m 2, 1 n	12.04	*04*,03	B
4079	10	l 3, 1 m	11.66	*04*,04	B
4085	15	h 2, 2 k	10.70	00,00	Be
4085	12	h 2, 2 k	10.70	00,00	Br
4085	19	k 1, 2 l	11.06	*06*,06	B
4085	16	k 1, 1 l	11.11	*11*,11	B
4107	20	h 1, 3 k	10.60	00,00	B
4107	13	g 3, 3 h	10.31	11,*11*	B
4108	20	g 2, 1 h	10.36	*04*,04	B
4109	60	f 2, 1 g	9.98	*04*,04	B
4300	10	m 1, 1 n	11.98	*08*,09	B
4428	38	q 2, 1 r	13.10	*03*,02	B
4430	240	p 1, 1 q	12.78	01,*01*	B
4449	58	o 2, 1 p	12.62	02,*03*	B
4451	44	n 2, 1 o	12.36	01,*02*	B
4462	32	m 2, 2 n	11.98	02,*01*	B
4784	11	n 1, N	*12.2*		B
5100	60	q 2	13.07	A	B
5113	242	q 3, 2 r	13.10	07,*08*	B
5131	240	q 3, 1 r	13.14	03,*02*	B
5382	60	p 2, 1 q	12.83	06,*06*	B
5442	64	q 2	13.07	A	B
5514	60	q 1, N	*12.9*		B
5701	10	k 1, 1 l	11.11	*11*,11	B
5739	60	p 2, 1 q	12.83	06,*06*	B

56. *101058.* Z CARINAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5866	10	l 2, N	*11.5*		B
6072	10	l 2, 1 m	11.61	*09*,09	B
6114	60	o 1, 2 p	12.52	02,*03*	B
6114	60	n 2, 2 o	12.30	07,*06*	B
6131	10	o 2, 2 p	12.56	08,*07*	B
6166	64	q 1, 2 r	13.00	*03*,02	B
6166	61	q 2, 1 r	13.10	*03*,02	B
6229	60	r 2, N	*13.4*		B
6264	59	p 1, 1 q	12.78	01,*01*	Bp
6265	67	q 2, 0 r	13.14	*07*,08	B
6496	59	m 1, 2 n	11.94	*04*,03	B
6662	64	q 1, 0 r	13.10	*13*,12	B
6814	10	g 3, 3 h	10.31	11,*11*	B
6815	10	f 2, 2 g	9.93	01,*01*	Bd
6821	10	f 3, 2 g	9.98	06,*06*	B
6978	11	n 2, N	*12.3*		B

58. *103270.* RZ CARINAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1459	60	f 2, 1 g	10.21	01,*01*	Bd
1477	67	f 2, 2 g	10.16	06,*06*	Bd
1489	12	e 3, 2 f	9.83	01,*01*	B
1489	12	d 3, 2 e	9.33	*01*,01	B
1494	60	f 3, 2 g	10.21	11,*11*	B
1501	10	g 2, 1 h	10.62	*12*,13	Bd
1503	60	h 1, 3 k	10.86	09,*09*	B
1505	15	g 1, 2 h	10.52	*12*,13	B
1841	47	q 1, N	*12.6*		B
1870	60	q 1	12.66	A	B
2174	10	m 1, N	*11.5*		B
2480	16	p 2, N	*12.3*		B
2586	11	e 2, 3 f	9.73	01,*01*	B
2586	11	e 1, 2 f	9.73	*09*,09	B
2587	61	e 3, 2 f	9.83	01,*01*	B
2588	13	e 3, 2 f	9.83	01,*01*	B
2931	10	m 2, N	*11.6*		B
2964	11	p 1, N	*12.2*		B
3177	10	m 1, N	*11.5*		B
3321	11	q 1, N	*12.6*		B
3722	10	n 2, N	*11.8*		B
3955	10	d 3, 2 e	9.33	*01*,01	B
4079	11	r 1, N	*12.9*		B
4300	10	q 1, N	*12.6*		B
4436	60	q 3, 2 r	12.74	12,*13*	B
4437	60	q 2, 1 r	12.74	02,*03*	B
4465	11	g 3, 2 h	10.62	*02*,03	B

Fig. 1. March 10, 1912.

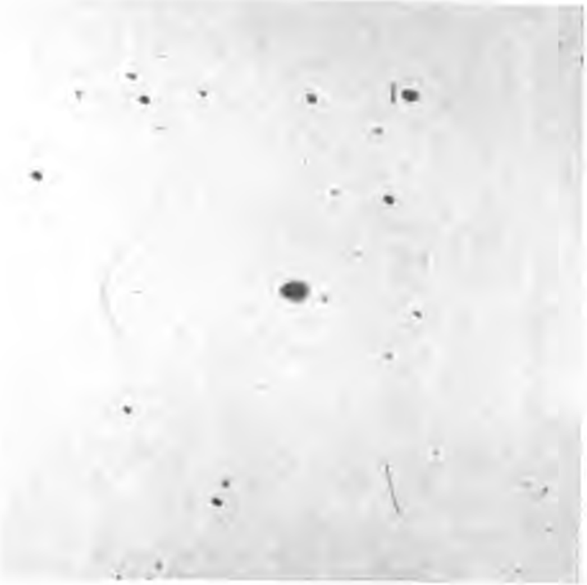

Fig. 2. March 11, 1912.

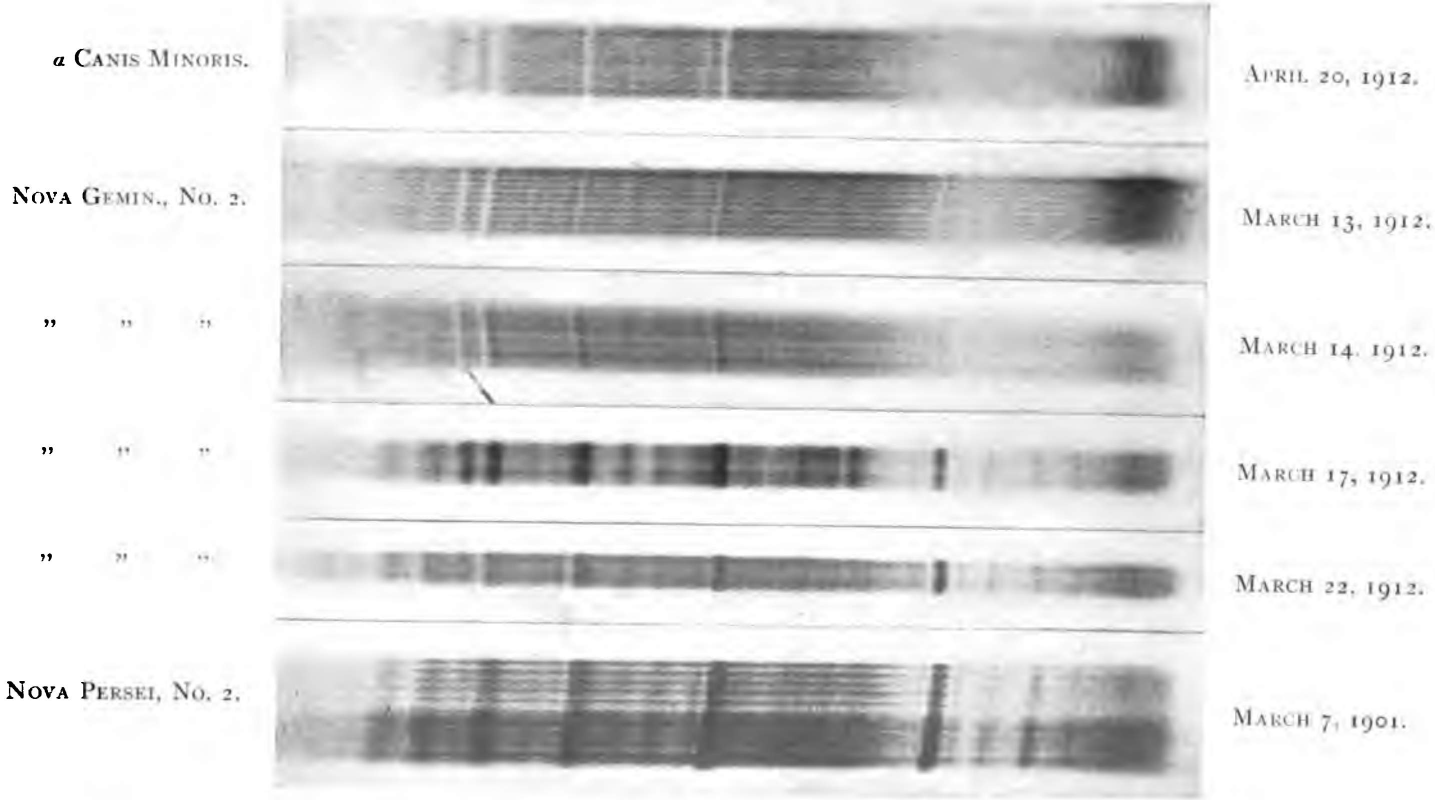

Fig. 3. Spectra.

NOVA GEMINORUM, NO. 2.

58. *103270.* RZ CARINAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4773	10	g 2, 2 h	10.58	*08*,07	Bd
4777	10	g 2, 3 h	10.52	*02*,03	B
4784	11	f 2, 1 g	10.21	01,*01*	B
4797	11	h 3, 2 k	11.01	14,*14*	B
5050	10	d 4, 1 e	9.43	*01*,01	B
5072	10	g 3	10.60	A	B
5074	10	g 3, 2 h	10.62	*02*,03	B
5116	10	p 3	12.46	A	B
5121	10	p 3, 2 q	12.41	05,*05*	B
5129	66	q 1, 3 r	12.58	*08*,07	B
5160	63	q 2	12.76	A	B
5341	57	g 3, 2 h	10.62	*02*,03	B
5441	61	s 3, N	*13.2*		B
5486	240	s 3, N	*13.2*		B
5522	63	r 2, 1 s	12.94	07,*08*	B
5528	271	r 1, 2 s	12.84	07,*08*	B
5731	60	s 1, N	*13.0*		B
5845	60	c 4, 2 d	8.78	*04*,04	B
5846	60	d 2, 1 e	9.33	*11*,11	B
5847	60	d 2, 1 e	9.33	*11*,11	B
5847	60	c 3, 2 d	8.73	*09*,09	B
5847	60	d 2, 3 e	9.23	*01*,01	B
5870	10	f 1, 2 g	10.11	01,*01*	B
5870	10	f 2, 3 g	10.11	11,*11*	B
5871	60	e 3, 1 f	9.88	*04*,04	B
5885	10	h 2, 2 k	10.96	09,*09*	B
5887	60	g 2	10.50	A	B
6090	65	g 1, 2 h	10.52	*12*,13	B
6090	60	f 2, 1 g	10.21	01,*01*	B
6093	60	f 2, 3 g	10.11	11,*11*	B
6107	60	d 1, 2 e	9.23	*11*,11	B
6108	63	d 3, 2 e	9.33	*01*,01	B
6118	60	d 2, 3 e	9.23	*01*,01	B
6120	60	d 1	9.12	A	Be
6131	60	d 2, 3 e	9.23	*01*,01	B
6131	15	d 3, 2 e	9.33	*01*,01	Be
6131	11	d 2, 1 e	9.33	*11*,11	B
6132	10	e 2, 2 f	9.78	*04*,04	B
6132	60	d 2, 1 e	9.33	*11*,11	B
6221	10	r 2, N	*13.0*		B
6607	240	t 1, 2 u	13.41	00,00	B
6643	64	e 1, 2 f	9.73	*09*,09	B
6649	62	d 2, 2 e	9.28	*06*,06	B
6655	64	d 1, 1 e	9.28	*16*,16	Be
6663	72	c 5, 2 d	8.83	01,*01*	B
6664	60	d 1, 3 e	9.18	*06*,06	B
6668	62	d 1, 1 e	9.28	*16*,16	Be
6815	10	o 2, N	*12.0*		B
6918	60	g 2, 2 h	10.58	*08*,07	B
6918	60	g 3, 2 h	10.62	*02*,03	B
6942	60	f 2, 2 g	10.16	06,*06*	B
6948	60	g 3, 2 h	10.62	*02*,03	B
6978	12	o 2, 1 p	12.06	00,00	B
6979	10	o 2, 1 p	12.06	00,00	B

59. *103361.* RX CARINAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1170	60	h 1, 0 k, 3 l	10.66	*09*,06, 04	B
1173	65	h 1, 1 k	10.60	*03*,02	B
1489	12	g 3, 1 h	10.44	08,*07*	B
1494	60	h 2, 1 k	10.64	03,*02*	B
1510	60	l 2, 1 m	11.19	01,*01*	B
1888	145	o 2	11.95	A	B
2175	60	l 1, 1 m	11.14	*04*,04	B
2269	184	p 2, N	*12.3*		B
2603	116	p 2, N	*12.3*		B
2814	95	l 1, 0 m, 2 n	11.23	*13*,05, 07	B
2974	210	p 3, N	*12.4*		B
3145	10	g 1, 2 h	10.30	02,*03*	Bd
3145	11	k 1, 2 l	10.81	01,*01*	B
3177	11	h 1, 1 k	10.60	*03*,02	B
3177	10	k 1, 1 l	10.86	*04*,04	B
3177	10	k 1, 2 l	10.81	01,*01*	B
3323	10	p 1, N	*12.2*		B
3376	12	p 2, N	*12.3*		B
3496	30	k 2, 2 l	10.86	06,*06*	B
3498	32	l 1, 1 m	11.14	*04*,04	B
3502	15	m 2, 1 n	11.44	04,*04*	B
3503	10	m 1, 2 n	11.34	04,*04*	B
3509	18	l 1, 1 m	11.14	*04*,04	B
3510	26	l 1, 1 m	11.14	*04*,04	B
3511	13	n 1, 1 o	11.62	*02*,03	B
3516	15	m 1, 1 n	11.39	*01*,01	B
3516	25	l 1, 1 m	11.14	*04*,04	B
3517	21	m 1, 1 n	11.39	*01*,01	B
3541	60	o 2, 1 p	11.98	*03*,04	B
3541	60	o 2, 1 p	11.98	*03*,04	B
3870	30	m 4	11.68	A	B
4034	12	p 1, N	*12.2*		B
4122	60	o 2, 2 p	11.94	01,*02*	B
4391	60	p 2, N	*12.3*		B
4410	26	n 2, 2 o	11.62	08,*07*	B
4410	14	o 2, 1 p	11.98	*03*,04	B
4412	22	o 1, 1 p	11.94	*09*,08	B
4426	62	n 1, 2 o	11.58	02,*03*	B
4428	38	n 2, 2 o	11.62	08,*07*	B
"	"	m 1, 2 n	11.34	04,*04*	L
4430	240	l 2, 1 m	11.19	01,*01*	B
4430	233	n 2, 1 o	11.68	02,*03*	B
4442	10	m 1, 2 n	11.34	04,*04*	B
4448	10	l 2, 1 m	11.19	01,*01*	B
4451	44	k 1, 2 l	10.81	01,*01*	B
4461	10	f 2, 3 g	10.03	11,*11*	B
4461	10	f 2, 1 g	10.13	01,*01*	B
4461	12	g 1, 1 h	10.34	*02*,03	B
4461	10	f 2, 1 g	10.13	01,*01*	B
4461	10	f 2, 1 g	10.13	01,*01*	B
4461	10	f 2, 1 g	10.13	01,*01*	B
4462	32	g 2, 1 h	10.40	02,*03*	B
4773	10	o 2	11.95	A	B
4785	10	l 1, 1 m	11.14	*04*,04	B
5100	60	p 2, N	*12.3*		B
5119	11	o 2, 1 p	11.98	*03*,04	B
5159	60	l 1, 2 m	11.09	01,*01*	Bd
5169	68	l 2, 1 m	11.19	01,*01*	B
5381	60	p 2, N	*12.3*		B
5441	60	m 1, 1 n	11.39	*01*,01	B
5472	10	g 2, 1 h	10.40	02,*03*	Bd
5488	62	h 2, 1 k	10.64	03,*02*	B
5491	11	h 2, 2 k	10.60	07,*08*	B
5514	60	m 1, 2 n	11.34	04,*04*	B
5523	62	n 2, 1 o	11.68	02,*03*	B
5542	61	m 1, 1 n	11.39	*01*,01	Be
"	"	o 1, 2 p	11.88	*03*,04	B
5866	10	o 2, 2 p	11.94	01,*02*	B
6114	60	f 2, 0 g, 1 h	10.24	*10*,*02*, 13	B
6114	60	g 2, 1 h	10.40	02,*03*	B
6131	10	f 3, 2 g	10.13	11,*11*	B
6166	64	m 2, 3 n	11.34	14,*14*	B
6166	61	m 2, 2 n	11.39	09,*09*	B
6183	10	o 2, 0 p	12.04	*09*,08	B
6264	59	p 2, N	*12.3*		B
6579	60	p 1, N	*12.2*		B
6936	32	p 1, N	*12.2*		B

63. *111661.* RS Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1140	32	g 3, N	*11.1*		F
1493	10	l 4, 0 m, 5 n	12.20	05,00, *05*	F
1497	60	m 3, 2 n	12.48	02,*03*	F
1923	10	d 2	9.96	A	Fp
2047	188	c 2, 2 d	9.55	*01*,01	Fp
2175	60	k 2, N	*11.7*		F
2219	71	c 2, 3 d	9.50	04,*04*	F
2222	*60*	c 2, 2 d	9.55	*01*,01	F
2223	*60*	c 1, 3 d	9.45	*01*,01	F
2223	*67*	c 1, 3 d	9.45	*01*,01	F
2232	75	c 3, 1 d	9.65	*01*,01	F
2271	193	h 3, 1 k	11.43	00,00	B
2565	*62*	c 1, 3 d	9.45	*01*,01	F
2582	10	f 3, 1 g	10.72	01,*01*	F
2586	12	f 3, 2 g	10.67	06,*06*	B
2586	11	f 3, 1 g	10.72	01,*01*	F
2586	10	f 2, 2 g	10.62	01,*01*	F
2588	10	g 2, 2 h	10.97	04,*04*	F
2588	12	g 2, 2 h	10.97	04,*04*	F
2594	78	g 4, 0 h, 3 k	11.19	02,*06*, 04	F
2602	168	l 1, 3 m	11.92	03,*02*	F
2603	116	l 3, 1 m	12.12	03,*02*	F
2917	129	g 2, 2 h	10.97	04,*04*	F
2922	10	g 5, 0 h	11.22	09,*09*	F
2931	10	k 3, 1 l	11.79	04,*04*	F
2936	10	l 2, 1 m	12.08	*03*,02	B
2964	10	m 2	12.40	A	Br
2974	210	n 3, N	*12.9*		F
2977	242	m 3	12.50	A	F
3177	10	f 2, 3 g	10.57	06,*06*	B
3218	10	d 4	10.16	A	F
"	"	e 2, 1 f	10.30	*02*,03	B
3245	13	g 1, N	*10.9*		F
3294	10	n 1, N	*12.7*		F
3322	10	l 3, 1 m	12.12	03,*02*	F
3323	10	l 2, 2 m	12.02	*03*,02	F
3323	10	l 2, 2 m	12.02	03,*02*	F
3346	10	f 3, 1 g	10.72	01,*01*	F
3348	10	f 3, 2 g	10.67	06,*06*	F
3349	10	f 4, 0 g, 5 h	10.76	07,05, *13*	F
3360	*60*	d 1	9.86	A	F
3376	10	f 2, 3 g	10.57	06,*06*	F
3496	30	g 4, 1 h	11.12	09,*09*	F
3498	32	g 3, 2 h	11.02	09,*09*	F

63. *111661.* RS Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3502	15	f 2, 2 g	10.62	01,*01*	F
3503	10	e 3, 1 f	10.36	02,*03*	F
3509	18	c 4, 1 d	9.70	04,*04*	F
3509	*55*	e 1, 3 f	10.16	02,*03*	F
3510	26	c 4, 1 d	9.70	04,*04*	F
3511	13	d 3, 1 e	10.02	04,*04*	F
3516	10	d 3, 1 e	10.02	04,*04*	F
3516	25	c 4, 1 d	9.70	04,*04*	F
3517	*44*	c 3, 1 d	9.65	*01*,01	F
3518	21	c 4, 1 d	9.70	04,*04*	F
3541	60	b 4, 1 c	9.24	00,00	F
3541	60	b 5, 0 c, 4 d	9.35	*01,01*, 01	F
3544	15	b 5, 0 c, 4 d	9.35	*01,01*, 01	F
3569	20	f 3, 1 g	10.72	01,*01*	F
3572	22	g 1, 1 h	10.97	*06*,06	B
3628	60	m 3, 1 n	12.52	*02*,03	B
3659	60	l 1, 2 m	11.98	*03*,02	B
3666	*80*	h 1, 2 k	11.28	*05*,05	B
3673	10	f 1, 1 g	10.62	*09*,09	B
3673	10	f 2, 2 g	10.62	01,*01*	B
3689	10	c 3, 2 d	9.60	04,*04*	B
3689	10	d 1, 3 e	9.82	04,*04*	B
3699	15	c 1, 2 d	9.50	*06*,06	B
3699	19	c 2, 2 d	9.55	*01*,01	B
3702	12	c 2, 1 d	9.60	*06*,06	B
3708	10	c 2, 0 d, 2 e	9.73	*19*,03, 15	B
3712	10	d 1, 3 e	9.82	04,*04*	B
3716	10	d 3, 1 e	10.02	04,*04*	B
3721	12	e 1, 2 f	10.20	*02*,03	B
3724	10	e 1, 2 f	10.20	*02*,03	B
3724	10	e 1, 1 f	10.26	*08*,07	B
3727	10	f 1, 1 g	10.62	*09*,09	B
3727	14	e 2, 1 f	10.30	*02*,03	B
3743	13	h 1	11.23	A	B
3755	61	k 1, 0 l, 3 m	11.79	*16*,06, 11	B
3758	14	l 1	11.95	A	B
3758	14	l 1, 1 m	12.02	*07*,08	B
3762	15	m 1, 1 n	12.42	*12*,13	B
3895	10	d 2, 2 e	9.92	04,*04*	B
3933	10	l 1, 3 m	11.92	03,*02*	B
3940	10	k 1, 1 l	11.69	*06*,06	B
3946	19	l 2, 1 m	12.08	*03*,02	B
3953	10	l 1, 1 m	12.02	*07*,08	B

63. *111661.* RS Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3996	18	f 1, 1 g	10.62	*09*,09	B
3996	14	f 1, 2 g	10.57	*04*,04	B
4007	10	c 2, 0 d, 1 e	9.76	*22*,00, 22	B
4008	11	d 1, 2 e	9.87	*01*,01	B
4034	12	c 1, 3 d	9.45	*01*,01	B
4034	10	b 2, 0 c, 2 d	9.31	*27*,03, 25	B
4034	10	c 1, 2 d	9.50	*06*,06	B
4036	10	c 1, 2 d	9.50	*06*,06	B
4037	10	c 1, 2 d	9.50	*06*,06	B
4037	20	c 2, 3 d	9.50	04,*04*	B
4037	20	c 2, 1 d	9.60	*06*,06	B
4041	20	d 1, 3 e	9.82	04,*04*	B
4055	10	e 1, 1 f	10.26	*08*,07	B
4057	13	f 1, 2 g	10.57	*04*,04	Be
4057	13	e 1, 2 f	10.20	*02*,03	B
4057	10	f 1, 2 g	10.57	*04*,04	B
4074	10	g 1, 1 h	10.97	*06*,06	B
4074	11	g 1, 2 h	10.92	*01*,01	B
4074	10	g 2, 2 h	10.97	04,*04*	B
4085	16	h 2, 2 k	11.33	00,00	B
4085	15	h 1, 2 k	11.28	*05*,05	B
4085	10	h 2, 2 k	11.33	00,00	B
4092	10	k 1, 1 l	11.69	*06*,06	B
4092	60	h 2, 1 k	11.38	*05*,05	B
4094	10	l 2, 1 m	12.08	*03*,02	B
4105	187	l 2, 2 m	12.02	03,*02*	B
"	"	k 1, 2 l	11.64	*01*,01	B
4107	12	l 2, 2 m	12.02	03,*02*	B
4108	72	l 2, 1 m	12.08	*03*,02	Bd
4113	10	l 2, 2 m	12.02	03,*02*	B
4366	10	d 1, 1 e	9.92	*06*,06	B
4377	10	d 2, 1 e	9.97	*01*,01	B
4382	10	e 1, 2 f	10.20	*02*,03	B
4382	11	d 2, 1 e	9.97	*01*,01	B
4392	10	f 1, 2 g	10.57	*04*,04	B
4392	10	f 2, 2 g	10.62	01,*01*	B
4392	10	f 2, 1 g	10.67	*04*,04	B
4408	8	h 1, 2 k	11.28	*05*,05	B
4410	14	h 2, 2 k	11.33	00,00	B
4410	14	h 1, 2 k	11.28	*05*,05	B
4412	10	h 2, 2 k	11.33	00,00	B
4428	15	l 2, 1 m	12.08	*03*,02	B
4430	240	m 2, 3 n	12.38	02,*03*	B
4449	215	n 2, 0 o	12.88	*03*,02	B
"	"	m 2, 1 n	12.48	*08*,07	B

63. *111661.* RS CENTAURI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4638	10	m 1, 1 n	12.42	*12*,13	B
4773	10	m 1, 2 n	12.38	*08*,07	B
5050	10	e 2, 2 f	10.26	02,*03*	B
5050	10	e 2, 2 f	10.26	02,*03*	B
5102	10	l 1, 2 m	11.98	*03*,02	B
5140	62	l 2, 2 m	12.02	03,*02*	B
5148	72	h 3, 1 k	11.43	00,00	B
5159	60	g 1, 3 h	10.87	04,*04*	B
5164	60	f 1, 2 g	10.57	*04*,04	B
5169	68	e 1, 3 f	10.16	02,*03*	B
5191	69	c 2, 3 d	9.50	04,*04*	B
5198	10	c 1, 2 d	9.50	*06*,06	B
5203	10	c 2, 2 d	9.55	*01*,01	B
5382	10	e 2, 2 f	10.26	02,*03*	B
5415	10	l 1, 2 m	11.98	*03*,02	B
5441	60	m 1	12.30	A	B
5481	76	k 3	11.83	A	B
5488	62	l 2, 3 m	11.98	07,*08*	B
5501	65	f 1, 2 g	10.57	*04*,04	B
5515	88	c 2, 1 d	9.60	*06*,06	B
5519	73	c 2, 3 d	9.50	04,*04*	B
5523	62	c 2, 2 d	9.55	*01*,01	B
5532	67	c 3, 2 d	9.60	04,*04*	B
5542	61	d 2, 3 e	9.87	09,*09*	B
5543	53	d 1, 3 e	9.82	04,*04*	B
5543	61	d 3, 3 e	9.92	14,*14*	B
5547	60	c 4, 2 d	9.65	09,*09*	B
5747	10	h 2, 3 k	11.28	05,*05*	B
5753	10	h 3, 2 k	11.38	05,*05*	B
5841	60	c 3, 3 d	9.55	09,*09*	B
5845	60	c 1, 3 d	9.45	*01*,01	B
5847	60	b 3, 0 c, 2d	9.35	*21*,*01*, 21	B
5868	60	b 2, 1 c	9.14	*10*,10	B
5870	10	c 1, 3 d	9.45	*01*,01	B
5870	10	b 3, 1 c	9.19	*05*,05	B
5870	10	b 3, 2 c	9.14	00,00	B
5870	60	c 3, 3 d	9.55	09,*09*	B
5871	60	c 1, 3 d	9.45	*01*,01	B
5885	10	c 3, 2 d	9.60	04,*04*	B
5887	10	c 2, 3 d	9.50	04,*04*	B
5887	60	c 3, 2 d	9.60	04,*04*	B
5911	60	h 1	11.23	A	B
5913	60	h 2, 1 k	11.38	*05*,05	B
5913	10	g 3, 1 h	11.07	04,*04*	B
5913	60	h 2, 3 k	11.28	05,*05*	B
6047	44	d 3, 2 e	9.97	09,*09*	B
6079	61	d 2, 1 e	9.97	*01*,01	B
6162	70	d 2, 3 e	9.87	09,*09*	B
6179	62	c 2, 3 d	9.50	04,*04*	B
6183	10	b 2, 1 c	9.14	*10*,10	B
6190	81	c 1, 3 d	9.45	*01*,01	B
6208	60	d 2, 3 e	9.87	09,*09*	B
6221	70	e 3, 1 f	10.36	02,*03*	B
6226	61	g 3, 1 h	11.07	04,*04*	B
6239	60	l 1, 2 m	11.98	*03*,02	B
6240	10	h 3, 1 k	11.43	00,00	B
6241	10	k 1, 2 l	11.64	*01*,01	B
6250	68	h 3, 2 k	11.38	05,*05*	B
6489	60	d 2, 0 e, 2 f	10.09	*13*,*01*, 14	B
6549	61	f 2, 3 g	10.57	06,*06*	B
6556	10	g 1, 3 h	10.87	04,*04*	B
6557	10	f 3, 1 g	10.72	01,*01*	B
6604	10	m 4, 1 n	12.58	02,*03*	B
6638	61	h 1, 2 k	11.28	*05*,05	B
6643	64	g 2, 1 h	11.02	*01*,01	B
6652	10	f 2, 2 g	10.62	01,*01*	B
6664	60	c 4, 3 d	9.60	14,*14*	B
6669	60	c 3, 3 d	9.55	09,*09*	B
6821	60	c 3, 3 d	9.55	09,*09*	B
6823	60	c 1, 3 d	9.45	*01*,01	B
6855	62	c 1, 3 d	9.45	*01*,01	B
6858	63	c 2, 3 d	9.50	04,*04*	B
6859	67	c 3, 2 d	9.60	04,*04*	B
6859	10	c 2, 3 d	9.50	04,*04*	B
6964	418	l 1, 2 m	11.98	*03*,02	B
6978	60	e 2, 3 f	10.20	08,*07*	B
6978	12	f 1, 2 g	10.57	*04*,04	B
6979	10	f 2, 3 g	10.57	06,*06*	B
6979	10	f 1, 2 g	10.57	*04*,04	B
6981	10	e 2, 1 f	10.30	*02*,03	B
6991	67	c 3, 2 d	9.60	04,*04*	B
6991	63	c 4, 1 d	9.70	04,*04*	B
6999	62	d 1, 3 e	9.82	04,*04*	B
7000	67	b 3, 1 c	9.19	*05*,05	B
7006	63	c 2, 2 d	9.55	*01*,01	B
7010	60	d 2, 3 e	9.87	09,*09*	B
7021	60	c 3, 2 d	9.60	04,*04*	B
7039	60	e 2, 1 f	10.30	*02*,03	B
7185	62	d 2, 1 e	9.97	*01*,01	B

64. *114441.* X CENTAURI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1148	60	5 b	8.05	A	Fe
1155	10	a 1, 7 b	7.72	*13*,13	F
1167	10	a 8, 1 b	8.37	*08*,08	F
1459	12	a 7, 3 b	8.22	*03*,03	F
1502	62	a 7, 2 b	8.27	*08*,08	F
1513	60	c 1, 3 d	9.16	*03*,03	F
1516	11	b 5, 0 c, 5 d	9.02	03,01, *03*	F
2582	12	l 2, 4 m	12.40	05,*05*	F
2585	15	l 2, 3 m	12.45	00,00	F
2642	10	h 2, 5 k	11.26	03,*03*	F
2642	10	h 1, 6 k	11.16	03,*03*	F
2928	10	h 6, 1 k	11.66	03,*03*	F
2968	12	h 1, 6 k	11.16	03,*03*	F
2998	10	d 3, 3 e	9.74	05,*05*	F
2998	12	d 1, 4 e	9.59	00,00	F
3245	11	e 4, N	*10.3*		Fp
3315	*60*	c 2	9.23	A	F
3335	*69*	a 7, 2 b	8.27	*08*,08	F
3349	10	a 6, 4 b	8.12	*03*,03	F
3350	10	a 3, 2 b	8.07	*28*,28	Bd
3351	10	a 7, 2 b	8.27	*08*,08	Bd
3572	12	k 1, 1 l	11.99	*16*,16	B
3621	10	d 4, 0 e, 2 f	10.00	*11*,*01*, 13	F
“	“	e 1, 1 f	10.16	*07*,07	B
3635	13	c 1, 2 d	9.21	*08*,08	B
3652	10	b 1, 2 c	8.74	*09*,09	B
3684	12	c 1, 2 d	9.21	*08*,08	B
3691	10	c 2, 2 d	9.26	*03*,03	B
3693	10	c 1, 2 d	9.21	*08*,08	B
3694	10	c 2, 2 d	9.26	*03*,03	B
3695	10	c 2, 3 d	9.21	02,*02*	Bd
3699	12	c 1, 2 d	9.21	*08*,08	B
3712	10	c 2, 2 d	9.26	*03*,03	B
3714	10	c 2, 2 d	9.26	*03*,03	Be
3716	10	d 1, 2 e	9.69	*10*,10	B
3727	10	e 1, 2 f	10.11	*02*,02	B
3743	12	f 1, 2 g	10.47	*04*,04	B
3758	13	g 2, 1 h	10.95	*04*,04	B
3785	15	h 3, 2 k	11.46	*07*,07	B
3804	12	l 1, N	*12.3*		B
3896	10	h 3, 3 k	11.41	*02*,02	B
3929	10	e 1, 2 f	10.11	*02*,02	B
3940	16	d 2, 2 e	9.74	*05*,05	B
3955	13	a 7, 2 b	8.27	*08*,08	B
3957	13	b 1, 4 c	8.64	01,*01*	Bd

64. *114441.* X Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3965	10	a 2, 4 b	7.92	*23*,23	Bde
3996	11	b 1, 3 c	8.69	*04*,04	B
4008	10	b 2, 2 c	8.79	*04*,04	B
4034	13	d 1, 2 e	9.69	*10*,10	B
4036	10	c 2, 1 d	9.31	*08*,08	B
4038	10	c 3	9.33	A	Be
4057	15	f 1, 2 g	10.47	*04*,04	B
4074	11	h 1, 6 k	11.16	03,*03*	B
4074	10	h 3	11.39	A	B
4077	10	g 2, 2 h	10.90	01,*01*	B
4077	12	g 2, 1 h	10.95	*04*,04	B
4085	12	h 1, 2 k	11.36	*17*,17	B
4092	10	h 2, 2 k	11.41	*12*,12	B
4094	10	h 2, 1 k	11.46	*17*,17	B
4107	12	h 3, 1 k	11.51	*12*,12	B
4377	10	g 2, 2 h	10.90	01,*01*	B
4382	10	g 2	10.91	A	B
4406	10	h 2, 2 k	11.41	*12*,12	B
4420	60	l 3, 2 m	12.55	00,00	B
4435	12	l 2, 2 m	12.50	*05*,05	B
4435	62	l 2, 2 m	12.50	*05*,05	B
4751	11	k 1, N	*11.8*		B
4773	10	h 2, 1 k	11.46	*17*,17	B
4848	11	g 2, 2 h	10.90	01,*01*	B
4991	10	d 2, 3 e	9.69	00,00	B
5071	10	l 1	12.35	A	B
5114	60	m 1, 2 n	12.85	00,00	B
5198	10	f 1, 2 g	10.47	*04*,04	B
5203	10	e 2, 2 f	10.16	03,*03*	B
5481	76	k 1	11.83	A	B
5490	60	h 3, 3 k	11.41	*02*,02	B
5501	65	h 2, 4 k	11.31	*02*,02	B
5522	60	d 1, 3 e	9.64	*05*,05	B
5530	10	b 3, 2 c	8.84	01,*01*	B
5532	67	b 3, 2 c′	8.84	01,*01*	B
5543	53	a 3, 2 b	8.07	*28*,28	B
5543	60	b 1, 1 c	8.79	*14*,14	B
"	"	b 1, 3 c	8.69	*04*,04	B
5547	60	a 3, 2 b	8.07	*28*,28	Bei
5747	10	k 2, N	*11.9*		B
5808	10	h 1, 2 k	11.36	*17*,17	Be
5840	10	c 2, 3 d	9.21	02,*02*	B
5841	60	b 4, 1 c	8.94	01,*01*	B
5842	10	c 2, 3 d	9.21	02,*02*	B
5843	60	c 1, 3 d	9.16	*03*,03	B
5843	10	c 1, 3 d	9.16	*03*,03	B
5870	60	a 3, 2 b	8.07	*28*,28	B

64. *114441.* X Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5871	60	a 3, 3 b	8.02	*23*,23	B
5887	60	b 4, 2 c	8.89	06,*06*	B
5896	10	b 1, 3 c	8.69	*04*,04	B
5896	13	b 3, 1 c	8.89	*04*,04	B
5913	10	c 2, 2 d	9.26	*03*,03	B
5913	60	b 2, 3 c	8.74	01,*01*	B
5914	11	c 2, 3 d	9.21	02,*02*	B
5914	10	c 2, 2 d	9.26	*03*,03	B
5918	10	c 1, 3 d	9.16	*03*,03	B
5918	60	c 2, 2 d	9.26	*03*,03	B
5945	61	d 2, 3 e	9.69	00,00	B
6130	10	h 2, 2 k	11.41	*12*,12	B
6132	10	g 2, 1 h	10.95	*04*,04	B
6149	65	e 1, 3 f	10.06	03,*03*	B
6149	73	d 3, 1 e	9.84	*05*,05	B
6190	81	a 3, 3 b	8.02	*23*,23	B
6208	60	a 4, 1 b	8.17	*28*,28	B
6221	70	b 2, 3 c	8.74	01,*01*	B
6222	10	b 3, 1 c	8.89	*04*,04	B
6239	10	c 3, 1 d	9.36	*03*,03	B
6239	60	c 2, 2 d	9.26	*03*,03	B
6241	61	b 3, 1 c	8.89	*04*,04	B
6241	10	c 2, 3 d	9.21	02,*02*	B
6250	68	c 2, 1 d	9.31	*08*,08	B
6265	60	e 1, 2 f	10.11	*02*,02	B
6268	62	d 3, 3 e	9.74	05,*05*	B
6269	60	d 3, 2 e	9.79	00,00	B
6288	63	g 3, 2 h	10.95	06,*06*	B
6289	60	f 3, 1 g	10.62	01,*01*	B
6295	72	g 3, 1 h	11.00	01,*01*	B
6459	60	d 3, 2 e	9.79	00,00	B
6473	67	c 2, 3 d	9.21	02,*02*	B
6477	10	c 1, 3 d	9.16	*03*,03	B
6489	60	a 4, 2 b	8.12	*23*,23	B
6549	61	c 2, 3 d	9.21	02,*02*	B
6549	10	c 3	9.33	A	Be
6557	11	e 2, 3 f	10.11	08,*08*	B
6566	61	d 3, 2 e	9.79	00,00	B
6573	10	f 2, 2 g	10.52	01,*01*	B
6575	60	f 2, 1 g	10.57	*04*,04	B
6579	10	g 2, 3 h	10.85	06,*06*	B
6580	60	f 3, 1 g	10.62	01,*01*	B
6586	10	g 2, 2 h	10.90	01,*01*	B
6591	60	g 4, 1 h	11.05	06,*06*	B
6605	64	h 3	11.39	A	B
6613	420	h 2, 1 k	11.46	*17*,17	B
6624	64	h 4, 1 k	11.56	*07*,07	B

64. *114441.* X Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6652	10	m 2, N	*12.9*		B
6821	60	a 3, 2 b	8.07	*28*,28	B
6855	10	d 1, 3 e	9.64	*05*,05	B
6855	11	c 3, 2 d	9.31	02,*02*	B
6858	63	c 3, 2 d	9.31	02,*02*	B
6902	67	h 1, 2 k	11.36	*17*,17	B
6981	13	m 3, N	*13.0*		B
7185	62	b 4, 1 c	8.94	01,*01*	B

65. *115058.* W Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1140	40	d 3, 2 e	9.29	*02*,02	B
1143	60	d 3, 2 e	9.29	*02*,02	F
1150	60	d 6, 0 e, 5 f	9.54	03,*03*, *01*	F
1154	20	e 5, 1 f	9.97	*04*,04	F
1167	10	h 3, 2 k	10.94	01,*01*	F
1167	10	h 2, 3 k	10.84	01,*01*	F
1493	10	k 4, 1 l	11.54	*01*,01	F
1497	60	k 3, 2 l	11.44	*01*,01	F
1514	60	f 3, 1 g	10.27	06,*06*	F
2176	60	f 2, 2 g	10.17	06,*06*	F
2477	10	l 1, N	*11.7*		F
2560	*60*	c 2, 2 d	8.65	*12*,12	B
2565	*62*	d 2, 2 e	9.24	*07*,07	Bd
2582	10	h 1, 4 k	10.74	01,*01*	F
2586	11	h 2, 3 k	10.84	01,*01*	F
2586	10	h 3, 2 k	10.94	01,*01*	F
2586	10	h 2, 1 k	10.94	*09*,09	F
2586	10	h 3, 1 k	10.99	*04*,04	F
2588	10	h 2, 2 k	10.89	*04*,04	F
"	"	h 2, 2 k	10.89	*04*,04	F
2588	12	h 3, 2 k	10.94	01,*01*	F
2588	13	h 3, 1 k	10.99	*04*,04	F
2588	12	h 3, 1 k	10.99	*04*,04	F
2593	127	k 1, 2 l	11.34	*11*,11	F
2604	150	k 2, 3 l	11.34	*01*,01	F
2641	10	m 3, 0 n	12.40	*05*,05	F
2641	10	n 3, 3 o	12.65	10,*10*	F
2928	10	k 2, 3 l	11.34	*01*,01	B
2936	10	h 2, 2 k	10.89	*04*,04	F
2964	12	e 1, 2 f	9.72	*11*,11	B
2964	10	d 4, 1 e	9.39	*02*,02	F
2964	12	d 6, 0 e, 5 f	9.54	03,*03*, *01*	F
2966	10	d 5, 0 e,	9.54	*07*,*03*,	F

65. *115058.* W CENTAURI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
		4 f		09	
2966	11	d 2, 2 e	9.24	*07*,07	B
2981	12	e 3, 2 f	9.82	*01*,01	F
2981	12	e 3, 2 f	9.82	*01*,01	F
2981	12	e 3, 2 f	9.82	*01*,01	F
2981	12	e 3, 2 f	9.82	*01*,01	F
3294	10	o 2, 2 p	13.03	02,*02*	F
3295	10	o 1, 3 p	12.93	02,*02*	F
3323	10	k 4, 2 l	11.49	04,*04*	F
3349	10	e 2, 3 f	9.72	*01*,01	F
3359	*60*	d 2, 2 e	9.24	*07*,07	F
3572	22	d 2, 2 e	9.24	*07*,07	B
3621	10	k 2, 1 l	11.44	*11*,11	B
3635	10	m 2, 3 n	12.20	05,*05*	B
3652	10	n 2, 1 o	12.70	*05*,05	B
3673	10	o 2, 1 p	13.08	*03*,03	B
3699	19	o 3, 2 p	13.08	07,*07*	B
3702	12	o 2, 3 p	12.98	07,*07*	B
3708	10	o 1, 3 p	12.93	02,*02*	B
3712	10	n 1, 2 o	12.60	*05*,05	B
3716	10	m 2, 1 n	12.30	*05*,05	B
3721	10	l 1, 1 m	11.85	*10*,10	B
3724	10	k 2, 0 l,	11.61	*28*,04,	B
		2 m		24	
3727	14	k 2, 1 l	11.44	*11*,11	B
3728	60	k 3, 2 l	11.44	*01*,01	B
3730	10	k 4, 0 l,	11.68	*15*,*03*,	B
		2 m		17	
3743	13	h 1, 3 k	10.79	*04*,04	B
3758	14	e 1, 1 f	9.77	*16*,16	B
3762	15	d 1, 3 e	9.14	*07*,07	B
3785	11	e 1, 2 f	9.72	*11*,11	B
3804	11	h 1, 3 k	10.79	*04*,04	B
3930	13	l 2, 1 m	11.90	*05*,05	B
3930	30	l 2, 2 m	11.85	00,00	Be
3933	10	k 2, 2 l	11.39	*06*,06	B
3940	25	k 2, 2 l	11.39	*06*,06	B
3940	10	h 3, 0 k,	11.14	*19*,*01*,	B
		3 l		21	
3946	19	h 1, 1 k	10.89	*14*,14	B
3955	10	g 2, 1 h	10.53	*02*,02	B
3957	30	e 2, 1 f	9.82	*11*,11	B
3957	10	f 1, 2 g	10.12	01,*01*	B
3959	11	e 2, 1 f	9.82	*11*,11	Bp
3987	31	d 2, 2 e	9.24	*07*,07	Be
3996	14	e 2, 0 f,	9.95	*24*,08,	B
		2 g		16	
4007	10	g 2, 0 h,	10.66	*15*,*01*,	B
		3 k		17	
4008	11	f 2, 0 g,	10.33	*10*,*02*,	B
		2 h		12	
4034	10	k 2, 1 l	11.44	*11*,11	B
4034	10	k 3, 0 l,	11.64	*21*,01,	B
		2 m		21	
4037	10	k 4	11.53	A	Bd
4057	13	m 2, 2 n	12.25	00,00	B
4057	10	m 2, 0 n,	12.42	*17*,03,	B
		3 o		13	
4074	10	o 2, 1 p	13.08	*03*,03	B
4085	15	o 2, 1 p	13.08	*03*,03	B
4085	10	o 2, 2 p	13.03	02,*02*	B
4107	12	n 2, 0 o	12.75	*10*,10	B
4146	5	k 1, 3 l	11.29	*06*,06	B
4147	10	k 2, 2 l	11.39	*06*,06	B
4377	10	d 1, 3 e	9.14	*07*,07	B
4382	10	d 1, 2 e	9.19	*12*,12	B
4382	11	d 1, 2 e	9.19	*12*,12	B
4382	10	d 1, 3 e	9.14	*07*,07	B
4408	8	f 1, 2 g	10.12	01,*01*	B
4410	14	e 1, 2 f	9.72	*11*,11	Bd
4412	10	f 1, 2 g	10.12	01,*01*	B
4428	15	k 2, 2 l	11.39	*06*,06	B
4442	15	l 2, 2 m	11.85	00,00	B
4448	10	m 2, 2 n	12.25	00,00	B
4451	13	m 2, 2 n	12.25	00,00	B
4459	*128*	n 2, 0 o	12.75	*10*,10	B
4462	12	n 1, 1 o	12.65	*10*,10	B
4465	14	n 1, 0 o	12.70	*15*,15	B
4465	10	o 1, N	*12.9*		B
4638	10	l 2, N	*11.8*		B
4749	10	h 2, 2 k	10.89	*04*,04	B
4773	10	f 1, 2 g	10.12	01,*01*	B
4777	10	d 2, 1 e	9.29	*12*,12	B
4785	9	e 2, 1 f	9.82	*11*,11	B
"	"	e 1, 2 f	9.72	*11*,11	B
4795	11	e 1, 2 f	9.72	*11*,11	B
4795	10	e 2, 1 f	9.82	*11*,11	B
4813	*250*	f 1, 2 g	10.12	01,*01*	B
4848	10	l 1, 2 m	11.80	*05*,05	B
4850	10	l 1, 1 m	11.85	*10*,10	B
4853	10	l 2, 1 m	11.90	*05*,05	B
4990	65	d 3, 1 e	9.34	*07*,07	B
5050	10	m 1, 3 n	12.15	00,00	B
5105	60	o 2, 2 p	13.03	02,*02*	B
5115	10	o 1, 1 p	13.03	*08*,08	B
5121	10	n 2, 2 o	12.65	00,00	B
5140	62	l 2, 2 m	11.85	00,00	B
5142	62	k 3, 3 l	11.39	04,*04*	B
5148	72	l 1, 3 m	11.75	00,00	B
5164	60	g 2, 2 h	10.48	03,*03*	B
5191	69	e 2, 1 f	9.82	*11*,11	B
5198	10	d 2, 2 e	9.24	*07*,07	B
5203	10	d 2, 3 e	9.19	*02*,02	B
5203	10	d 2, 2 e	9.24	*07*,07	B
5439	60	k 1, 2 l	11.34	*11*,11	B
5488	60	o 2, 2 p	13.03	02,*01*	B
5495	10	o 2, 2 p	13.03	02,*01*	B
5515	88	n 2, 3 o	12.60	05,*05*	B
5519	73	n 2, 2 o	12.65	00,00	B
5532	67	m 2, 1 n	12.30	*05*,05	B
5753	10	k 3, 2 l	11.44	*01*,01	B
5754	10	l 2, 3 m	11.80	05,*05*	B
5756	10	k 3, 2 l	11.44	*01*,01	B
5820	67	e 1, 3 f	9.67	*06*,06	B
5841	60	h 2, 1 k	10.94	*09*,09	B
5848	*60*	h 2, 1 k	10.94	*09*,09	Bd
5870	10	m 3, 2 n	12.30	05,*05*	B
5885	10	n 3, 2 o	12.70	05,*05*	B
5885	10	n 2, 1 o	12.70	*05*,05	B
5887	10	o 1, 2 p	12.98	*03*,03	B
5913	60	o 1, 2 p	12.98	*03*,03	B
5945	61	m 2, 3 n	12.20	05,*05*	B
6190	81	d 3, 1 e	9.34	*07*,07	B
6208	60	d 3, 2 e	9.29	*02*,02	B
6221	70	f 1, 2 g	10.12	01,*01*	B
6226	61	f 2, 2 g	10.17	06,*06*	B
6233	60	f 2, 1 g	10.22	01,*01*	B
6239	60	g 2, 1 h	10.53	*02*,02	B
6239	10	h 1, 2 k	10.84	*09*,09	B
6241	10	h 2, 1 k	10.94	*09*,09	B
6241	61	g 2, 1 h	10.53	*02*,02	B
6250	68	h 3, 1 k	10.99	*04*,04	B
6268	62	l 1, 1 m	11.85	*10*,10	B
6269	60	m 1	12.15	A	B
6418	60	e 3, 2 f	9.82	*01*,01	B
6459	60	k 2, 1 l	11.44	*11*,11	B
6549	61	l 2, 1 m	11.90	*05*,05	B
6557	10	k 3, 3 l	11.39	04,*04*	B
6557	10	k 3, 3 l	11.39	04,*04*	B
6566	61	h 2, 1 k	10.94	*09*,09	B
6575	60	f 2, 1 g	10.22	01,*01*	B

65. *115058.* W CENTAURI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6579	10	e 3, 1 f	9.87	*06*,06	B
6580	60	f 2, 3 g	10.12	11,*11*	B
6583	63	e 3, 2 f	9.82	*01*,01	B
6587	240	d 2, 2 e	9.24	*07*,07	B
6591	60	d 3, 2 e	9.29	*02*,02	B
6593	60	d 3, 3 e	9.24	03,*03*	B
6594	60	d 3, 3 e	9.24	03,*03*	B
6603	63	c 3, 1 d	8.75	*12*,12	B
6604	10	d 3, 1 e	9.34	*07*,07	B
6604	10	d 2, 3 e	9.19	*02*,02	B
6605	64	d 2, 3 e	9.19	*02*,02	B
6607	60	d 2, 3 e	9.19	*02*,02	B
6613	420	d 1, 2 e	9.19	*12*,12	B
6624	64	e 3, 1 f	9.87	*06*,06	B
6624	60	e 3, 2 f	9.82	*01*,01	B
6635	76	f 3, 1 g	10.27	06,*06*	B
6638	61	h 2, 3 k	10.84	01,*01*	B
6643	64	h 2, 2 k	10.89	*04*,04	B
6644	60	h 3, 1 k	10.99	*04*,04	B
6652	10	k 2, 3 l	11.34	*01*,01	B
6653	10	k 2, 3 l	11.34	*01*,01	B
6664	60	l 2, 3 m	11.80	05,*05*	B
6821	60	e 1, 3 f	9.67	*06*,06	B
6855	62	l 3, 2 m	11.90	05,*05*	B
6858	10	l 1	11.75	A	B
6859	10	k 3, 3 l	11.39	04,*04*	B
6972	61	k 4, 1 l	11.54	*01*,01	B
6978	60	k 3, 1 l	11.49	*06*,06	B
6978	12	k 2, 3 l	11.34	*01*,01	B
6979	10	k 2, 2 l	11.39	*06*,06	B
6981	10	k 2, 3 l	11.34	*01*,01	B
6991	67	f 3, 2 g	10.22	11,*11*	B
6991	63	f 3, 2 g	10.22	11,*11*	B
6999	62	f 1, 2 g	10.12	01,*01*	B
7000	67	e 2, 2 f	9.77	*06*,06	B
7006	63	e 1, 2 f	9.72	*11*,11	B
7010	60	e 3, 2 f	9.82	*01*,01	B
7021	60	e 3, 1 f	9.87	*06*,06	B
7030	60	f 2, 1 g	10.22	01,*01*	B
7039	60	h 2, 2 k	10.89	*04*,04	B
7185	62	f 3, 1 g	10.27	06,*06*	B

69. *122657.* U CRUCIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1140	40	m 2, 3 n	11.74	02,*03*	F
"	"	m 3, 1 n	11.88	*02*,03	B
1161	60	q 3, 1 r	13.63	00,00	B
1514	60	p 1, N	*13.0*		B
2176	41	n 3, N	*12.3*		F
2176	60	n 2	12.21	A	F
2258	10	g 3, 1 h	10.30	01,*01*	F
2260	14	h 2, 2 k	10.56	03,*02*	F
2477	10	o 4, 0 p	12.92	*01*,01	F
2586	10	n 3, 2 o	12.31	00,00	F
2588	13	m 3, 1 n	11.88	*02*,03	F
2593	127	l 3, 2 m	11.40	04,*04*	F
2604	150	k 3, 1 l	11.04	00,00	F
2616	10	k 3, 2 l	10.99	05,*05*	F
2622	231	l 3, 2 m	11.40	04,*04*	F
2637	10	l 3, 1 m	11.45	*01*,01	F
2637	10	l 4, 0 m, 5 n	11.54	00,02, *03*	F
2641	10	m 1, 4 n	11.64	02,*03*	F
2930	10	l 2, 2 m	11.35	*01*,01	F
2936	10	k 2, 3 l	10.89	05,*05*	F
2964	12	h 4, 0 k, 5 l	10.72	07,02, *08*	F
2964	10	k 2, 2 l	10.94	00,00	F
2966	11	h 4, 0 k, 4 l	10.76	03,*02*, *02*	F
2970	10	k 1, 3 l	10.84	00,00	F
2978	224	k 2, 2 l	10.94	00,00	F
2981	12	k 4, 1 l	11.09	05,*05*	F
2981	12	l 1, 4 m	11.20	04,*04*	F
2981	12	k 4, 1 l	11.09	05,*05*	F
2981	12	k 4, 1 l	11.09	05,*05*	F
2994	10	m 1, 3 n	11.68	*02*,03	F
2995	12	l 3, 1 m	11.45	*01*,01	F
2995	11	l 3, 1 m	11.45	*01*,01	F
2995	10	l 2, 2 m	11.35	*01*,01	F
3177	10	p 3, N	*13.2*		F
3258	10	o 2, N	*12.7*		F
3287	12	m 1, 4 n	11.64	02,*03*	F
3287	6	m 2, 3 n	11.74	02,*03*	F
3287	8	m 2, 2 n	11.78	*02*,03	F
3290	13	m 2, 4 n	11.68	08,*07*	F
3321	10	l 4, 0 m, 5 n	11.54	00,02, *03*	F
3323	10	l 5, 0 m, 4 n	11.60	04,*04*, 01	F
3323	10	l 4, 0 m, 5 n	11.54	00,02, *03*	F
3323	10	m 1, 4 n	11.64	02,*03*	F
3324	10	m 1, 3 n	11.68	*02*,03	F
3346	12	m 3, 2 n	11.84	02,*03*	F
3348	10	m 3, 3 n	11.78	08,*07*	F
3349	10	m 1, 3 n	11.68	*02*,03	F
3376	10	n 2, 3 o	12.21	00,00	B
3377	10	n 1, 3 o	12.16	*05*,05	F
3569	36	q 3, 1 r	13.63	00,00	B
3603	15	n 3, 2 o	12.31	00,00	B
3621	10	l 3, 1 m	11.45	*01*,01	F
3635	11	h 2, 2 k	10.56	03,*02*	B
3652	15	h 1, 2 k	10.52	*03*,02	B
3656	22	g 4, 0 h, 4 k	10.38	03,01, *04*	F
3657	15	h 3, 2 k	10.62	07,*08*	F
3666	*73*	h 4, 0 k, 4 l	10.76	03,*02*, *02*	F
3684	13	k 4, 1 l	11.09	05,*05*	F
3694	30	l 3, 2 m	11.40	04,*04*	F
3699	19	m 2, 3 n	11.74	02,*03*	Be
3699	30	l 2, 1 m	11.40	*06*,06	B
3712	30	m 2, 1 n	11.84	*08*,07	B
3724	10	n 3, 3 o	12.26	05,*05*	B
3727	31	n 2, 2 o	12.26	*05*,05	B
3743	16	n 3, 1 o	12.36	*05*,05	B
3758	28	n 2, 2 o	12.26	*05*,05	B
3799	30	o 1	12.61	A	B
3957	30	o 3, 1 p	12.82	*01*,01	B
3987	31	l 2, 3 m	11.30	04,*04*	Bd
4008	11	k 2, 0 l, 2 m	11.15	*21*,*01*, 21	B
4024	14	m 1, 3 n	11.68	*02*,03	B
4034	16	m 2, 2 n	11.78	*02*,03	B
4038	10	m 2, 1 n	11.84	*08*,07	B
4057	10	n 2, 2 o	12.26	*05*,05	B
4074	10	n 2, 2 o	12.26	*05*,05	B
4085	11	o 1, 2 p	12.67	*06*,06	B
4121	60	r 3, 2 s	13.98	05,*05*	B
4129	60	p 2, 1 q	13.18	*05*,05	Bd
4143	10	o 2	12.71	A	B
4146	5	o 2	12.71	A	B
4382	12	l 2, 1 m	11.40	*06*,06	B
4409	10	m 2, 1 n	11.84	*08*,07	B
4410	13	m 2, 1 n	11.84	*08*,07	B
4412	10	m 3, 2 n	11.84	02,*03*	B
4419	10	m 2, 1 n	11.84	*08*,07	B
4442	15	n 3, 1 o	12.36	*05*,05	B
4448	30	n 3, 0 o,	12.48	*17*,03,	B

69. *122657.* U CRUCIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
		3 p		15	
4451	13	n 3, 1 o	12.36	*05*,05	B
4458	240	n 2, 1 o	12.31	*10*,10	B
4479	15	o 1, N	*12.6*		B
4783	72	o 2, 2 p	12.72	*01*,01	B
4785	9	o 2, 1 p	12.77	*06*,06	B
4848	10	o 2, N	*12.7*		B
5105	60	n 1, 2 o	12.21	*10*,10	B
"	"	n 2, 3 o	12.21	00,00	B
5114	63	n 1, 2 o	12.21	*10*,10	B
5120	10	n 2, 1 o	12.31	*10*,10	B
5121	11	n 2, 1 o	12.31	*10*,10	B
5140	60	n 2, 2 o	12.26	*05*,05	B
5203	10	o 3, N	*12.8*		B
5413	10	k 2, 2 l	10.94	00,00	B
5439	60	m 3, 2 n	11.84	02,*03*	B
5472	10	n 2	12.21	A	Be
5497	10	n 3	12.31	A	B
5514	62	o 2, 3 p	12.67	04,*04*	B
5515	88	p 1, N	*13.0*		Be
5523	62	o 1	12.61	A	B
5556	62	o 1, 3 p	12.62	*01*,01	B
5754	10	m 2, 2 n	11.78	*02*,03	B
5887	10	n 2, 1 o	12.31	*10*,10	B
5932	60	p 2, N	*13.1*		B
6165	62	n 2, 1 o	12.31	*10*,10	B
6166	61	o 1, 2 p	12.67	*06*,06	B
6199	60	p 1, N	*13.0*		B
6587	240	s 2, 1 t	14.36	*03*,02	B
6653	10	p 1, N	*13.0*		B
6868	10	p 2, N	*13.1*		B

70. *122854.* U CENTAURI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1148	60	m 1	10.69	A	F
1150	60	m 3, 3 n	10.76	13,*12*	F
1154	60	3 n	10.64	A	Fe
1164	12	n 4, 0 o, 3 p	11.35	*01*,01, *01*	F
1167	10	0 o	11.36	A	Fe
1167	10	n 4, 1 o	11.30	04,*04*	Fe
1489	12	m 2, 2 n	10.76	03,*02*	Fe
"	"	m 3, 0 n	10.92	*03*,02	F
1490	10	l 3, 0 m, 3 n	10.60	*03*,*01*, 04	F
1514	60	e 3, 2 g	9.25	00,00	F

70. *122854.* U CENTAURI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1518	10	e 3, 1 g	9.30	*05*,05	F
1522	10	e 3, 3 g	9.20	05,*05*	F
1533	60	e 3, 2 g	9.25	00,00	F
1868	10	p 2, N	*11.8*		F
2231	36	l 1, 4 m	10.28	09,*09*	F
2258	10	n 3, 1 o	11.25	*01*,01	F
2260	14	o 3, 1 p	11.60	06,*06*	F
2323	*63*	g 3	9.75	A	F
2477	10	n 3, 2 o	11.20	04,*04*	F
2586	10	l 2, 2 m	10.43	04,*04*	F
2588	13	l 3, 2 m	10.48	09,*09*	F
2592	*92*	g 4, 0 l	10.06	*21*,21	F
2616	10	e 3, 2 g	9.25	00,00	F
2617	*60*	e 3, 1 g	9.30	*05*,05	F
2637	10	e 3, 2 g	9.25	00,00	F
2637	10	e 5, 0 g, 4 l	9.59	*14*,*14*, 28	F
2641	10	g 1, 3 l	9.76	*21*,21	F
2930	10	q 1	11.96	A	F
2936	10	q 1, 2 r	11.86	10,*10*	F
2964	10	p 1, N	*11.9*		Bd
2978	224	r 1, N	*12.0*		Bd
2995	12	r 1, N	*12.0*		Bd
3177	10	r 1, N	*12.0*		Bd
3243	10	l 4, 2 m	10.53	14,*14*	F
3258	10	g 3, 2 l	9.91	*16*,16	F
3290	13	c 2, 2 d	8.56	06,*06*	F
3305	60	c 3, 1 d	8.66	06,*06*	F
3321	10	g 2, 2 l	9.86	*21*,21	F
3323	10	g 4, 1 l	10.01	*16*,16	F
"	"	g 1, 3 l	9.76	*21*,21	F
3323	10	e 5, 0 g, 4 l	9.59	*14*,*14*, 28	F
3324	10	g 1, 4 l	9.71	*16*,16	F
3346	12	m 2, 2 n	10.76	03,*02*	F
3348	10	m 1, 3 n	10.66	03,*02*	F
3349	10	m 1, 2 o	11.10	*06*,06	F
3376	10	q 1, 2 r	11.86	10,*10*	B
3377	10	p 2, 1 q	11.80	04,*04*	F
3544	13	g 4, 1 l	10.01	*16*,16	F
3569	36	n 1, 2 o	11.10	*06*,06	F
3603	15	q 1	11.96	A	Br
3621	10	r 3, 1 s	12.27	*01*,01	B
3652	15	r 3, 1 s	12.27	*01*,01	B
3656	22	p 4, 3 q	11.80	24,*24*	B
3684	13	l 3, 1 m	10.53	04,*04*	B
3691	10	l 3, 2 m	10.48	09,*09*	B

70. *122854.* U CENTAURI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3694	30	k 2, 1 l	10.14	*02*,03	B
3699	30	k 2, 1 l	10.14	*02*,03	B
3710	10	h 2, 2 k	9.71	*01*,01	B
3712	30	h 2, 1 k	9.76	*06*,06	B
3714	10	e 3, 1 g	9.30	*05*,05	B
3724	10	f 1, 2 g	9.28	02,*03*	B
3727	31	c 2, 1 d	8.61	01,*01*	B
3743	16	d 1, 2 e	8.78	02,*03*	B
3758	28	e 2, 2 g	9.20	*05*,05	B
3785	20	m 2, 1 n	10.82	*03*,02	B
3799	30	o 1, 2 p	11.45	01,*01*	B
3930	30	l 2, 1 m	10.48	*01*,01	B
3940	25	g 2, 1 l	9.91	*26*,26	B
3957	30	e 3, 2 g	9.25	00,00	B
3965	11	e 3, 2 g	9.25	00,00	B
3987	31	g 2, 3 l	9.81	*16*,16	B
3996	11	l 2, 2 m	10.43	04,*04*	B
4008	11	m 2, 1 n	10.82	*03*,02	B
4024	14	n 3, 1 o	11.25	*01*,01	B
4034	16	o 3, 2 p	11.55	11,*11*	B
4057	10	p 3, 2 q	11.80	14,*14*	B
4085	11	r 4, 1 s	12.32	04,*04*	B
4107	10	p 2, 2 q	11.75	09,*09*	B
4121	10	n 2, 3 o	11.10	04,*04*	B
4127	60	l 1, 2 m	10.38	*01*,01	B
4128	60	l 1, 2 m	10.38	*01*,01	B
4143	10	e 3, 2 g	9.25	00,00	B
4146	5	g 2, 3 l	9.81	*16*,16	B
"	"	h 1, 2 k	9.66	*06*,06	B
4147	10	e 3, 2 g	9.25	00,00	B
4147	11	e 2, 1 g	9.25	*10*,10	B
4156	10	e 1, 2 g	9.15	*10*,10	B
4382	12	e 2, 2 g	9.20	*05*,05	B
4398	10	e 1, 2 g	9.15	*10*,10	B
4409	10	e 3, 2 g	9.25	00,00	B
4410	13	e 3, 2 g	9.25	00,00	B
4412	10	e 2, 3 g	9.15	00,00	B
4419	10	g 3, 2 l	9.91	*16*,16	B
4442	15	n 2, 3 o	11.10	04,*04*	B
4448	30	n 1, 2 o	11.10	*06*,06	B
4451	13	n 2, 3 o	11.10	04,*04*	B
4465	10	o 3, 2 p	11.55	11,*11*	B
4479	15	p 1, 2 q	11.70	04,*04*	B
4638	10	l 2, 2 m	10.43	04,*04*	B
4749	10	p 2, 1 q	11.80	04,*04*	B
4749	14	p 2, 3 q	11.70	14,*14*	B
4777	10	n 3, 2 o	11.20	04,*04*	B

70. *122854*. U Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4777	10	n 3, 2 o	11.20	04,*04*	B
4783	72	n 3, 2 o	11.20	04,*04*	B
4785	69	n 3, 2 o	11.20	04,*04*	B
4807	*60*	g 3, 2 l	9.91	*16*,16	B
4811	13	g 3, 2 l	9.91	*16*,16	B
4848	10	g 3, 2 l	9.91	*16*,16	B
"	"	k 1, 2 l	10.04	*02*,03	B
4850	10	k 1, 2 l	10.04	*02*,03	Bd
4850	10	h 3, 2 k	9.76	04,*04*	Bd
4854	10	g 3, 2 l	9.91	*16*,16	B
4854	10	l 1, 3 m	10.33	04,*04*	B
5105	60	n 1, 2 o	11.10	*06*,06	B
5114	63	o 3, 2 p	11.55	11,*11*	B
5120	10	p 2, 2 q	11.75	09,*09*	B
5120	10	o 3, 2 p	11.55	11,*11*	B
5121	11	o 2, 2 p	11.50	06,*06*	B
5140	60	p 2, 2 q	11.75	09,*09*	B
5148	72	n 3, 2 o	11.20	04,*04*	Bd
5198	10	p 1, 2 q	11.70	04,*04*	B
5203	10	o 1, 3 p	11.40	06,*06*	B
5413	10	h 3, 2 k	9.76	04,*04*	B
5442	60	l 1, 2 m	10.38	*01*,01	B
5470	60	f 2, 2 g	9.32	08,*07*	B
5472	10	g 1, 2 h	9.42	13,*12*	B
5481	76	f 2, 3 g	9.28	12,*13*	B
5485	64	f 2, 1 g	9.38	02,*03*	B
5486	10	e 2, 1 g	9.25	*10*,10	B
5490	60	e 1, 1 g	9.20	*15*,15	B
5497	10	f 2, 1 g	9.38	02,*03*	B
5514	62	g 3, 2 l	9.91	*16*,16	B
5518	71	g 3, 2 l	9.91	*16*,16	B
5518	60	k 3, 2 l	10.14	08,*07*	B
5523	62	g 3, 2 l	9.91	*16*,16	B
5532	67	m 2, 3 n	10.72	07,*08*	B
5542	61	m 3, 2 n	10.82	07,*08*	B
5556	62	n 3, 2 o	11.20	04,*04*	B
5557	63	n 3, 2 o	11.20	04,*04*	B
5754	10	m 2, 2 n	10.76	03,*02*	B
5767	10	n 3, 2 o	11.20	04,*04*	B
5869	60	m 2, 2 n	10.76	03,*02*	Bp
5870	60	m 3, 2 n	10.82	07,*08*	B
5871	60	m 3, 2 n	10.82	07,*08*	B
5885	11	h 2, 2 k	9.71	*01*,01	B
5886	10	k 3, 2 l	10.14	08,*07*	B
5887	10	h 2, 1 k	9.76	*06*,06	B
5887	60	h 2, 1 k	9.76	*06*,06	B
5897	60	f 2, 1 g	9.38	02,*03*	B

70. *122854*. U Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5912	10	f 2, 1 g	9.38	02,*03*	B
5913	60	f 3, 1 g	9.42	08,*07*	B
5913	61	h 2, 3 k	9.66	04,*04*	B
5914	60	f 2, 3 g	9.28	12,*13*	B
5918	60	g 2, 1 h	9.52	13,*12*	B
5932	60	h 2, 1 k	9.76	*06*,06	B
5933	60	l 3, 2 m	10.48	09,*09*	B
6106	62	h 2, 3 k	9.66	04,*04*	B
6107	62	f 3, 2 g	9.38	12,*13*	B
6149	73	f 2, 3 g	9.28	12,*13*	B
6149	60	f 2, 3 g	9.28	12,*13*	B
6165	62	f 2, 2 g	9.32	08,*07*	B
6166	61	f 2, 2 g	9.32	08,*07*	B
6166	60	h 2, 2 k	9.71	*01*,01	B
6190	81	m 3, 2 n	10.82	07,*08*	B
6199	60	n 2, 1 o	11.20	*06*,06	B
6199	60	o 2, 1 p	11.55	01,*01*	B
6208	10	r 3, 1 s	12.27	*01*,01	B
6237	10	p 3, 2 q	11.80	14,*14*	B
6239	60	o 3, 1 p	11.60	06,*06*	B
6241	61	o 3	11.66	A	B
6250	68	o 3	11.66	A	B
6278	64	o 3, 1 p	11.60	06,*06*	B
6302	64	n 2, 2 o	11.15	*01*,01	B
6310	68	m 3, 2 n	10.82	07,*08*	B
6337	60	e 2, 2 f	9.08	07,*08*	B
6489	60	o 3, 2 p	11.55	11,*11*	B
6534	8	m 2, 2 n	10.76	03,*02*	B
6549	10	l 2, 2 m	10.43	04,*04*	B
6549	61	k 3, 2 l	10.14	08,*07*	B
6557	10	h 3, 2 k	9.76	04,*04*	B
6566	61	f 3, 2 g	9.38	12,*13*	B
6575	60	f 3, 2 g	9.38	12,*13*	B
6578	60	f 2, 3 g	9.28	12,*13*	B
6580	60	f 3, 1 g	9.42	08,*07*	B
6583	63	f 2, 3 g	9.28	12,*13*	B
6586	62	f 2, 3 g	9.28	12,*13*	B
6586	60	f 2, 2 g	9.32	08,*07*	B
6587	240	f 2, 2 g	9.32	08,*07*	B
6591	60	f 3, 3 g	9.32	18,*17*	B
6593	60	h 1, 2 k	9.66	*06*,06	B
6594	10	h 2, 3 k	9.66	04,*04*	B
6603	10	f 3, 2 g	9.38	12,*13*	B
6603	63	h 3, 2 k	9.76	04,*04*	B
6605	64	h 3, 2 k	9.76	04,*04*	B
6606	60	h 3, 1 k	9.81	*01*,01	B
6613	420	h 2, 1 k	9.76	*06*,06	B

70. *122854*. U Centauri.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6624	64	m 2, 1 n	10.82	*03*,02	B
6625	61	m 2, 3 n	10.72	07,*08*	B
6632	10	n 1, 2 o	11.10	*06*,06	B
6633	60	n 1, 2 o	11.10	*06*,06	B
6638	61	n 3, 2 o	11.20	04,*04*	B
6643	64	n 3, 1 o	11.25	*01*,01	B
6653	10	n 2	11.14	A	B
6821	60	h 2, 2 k	9.71	*01*,01	B
6855	10	n 2, 1 o	11.20	*06*,06	B
6856	10	n 2, 2 o	11.15	*01*,01	B
6858	10	o 1, 2 p	11.45	01,*01*	B
6870	61	o 1	11.46	A	B
6932	10	q 1, N	*11.9*		B
6958	63	n 2, 3 o	11.10	04,*04*	B
6972	61	l 3, 1 m	10.53	04,*04*	B
6977	60	k 2, 2 l	10.10	02,*03*	B
6978	60	k 1, 2 l	10.04	*02*,03	B
6991	67	h 2, 3 k	9.66	04,*04*	B
6991	63	f 2, 3 g	9.28	12,*13*	B
6999	62	h 2, 3 k	9.66	04,*04*	B
6999	64	f 2, 1 g	9.38	02,*03*	Bd
7006	63	f 2, 2 g	9.32	08,*07*	B
7010	60	f 3, 3 g	9.32	18,*17*	B
7010	65	f 2, 2 g	9.32	08,*07*	Bd
7024	*129*	f 2, 3 g	9.28	12,*13*	B
7035	69	h 2, 3 k	9.66	04,*04*	B
7039	60	k 1, 2 l	10.04	*02*,03	B
7075	61	n 3, 1 o	11.25	*01*,01	B
7185	62	m 2, 3 n	10.72	07,*08*	B

71. *125057*. V Crucis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1161	60	l 1, 2 m	12.72	05,*05*	B
1164	12	h 2, 1 k	12.21	*11*,11	B
1531	60	n 1, 2 o	13.28	*03*,02	B
2176	68	e 3, 2 f	10.98	*04*,04	B
2176	60	d 4, 2 e	10.43	*01*,01	B
2260	·14	g 1, N	*11.7*		Be
2477	10	f 2	11.42	A	B
2581	10	f 2, 1 g	11.46	*04*,04	B
2586	10	g 2, 1 h	11.80	00,00	B
2588	13	g 2, 3 h	11.70	10,*10*	B
2593	127	g 1, 2 h	11.70	00,00	B
2604	150	g 3, 2 h	11.80	10,*10*	B
2622	231	g 2, 1 h	11.80	00,00	B
"	"	h 3, 2 k	12.21	*01*,01	B

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
71. *125057.* V Crucis.					
	m.				
2637	10	l 1, N	*12.7*		B
2936	10	d 4, 2 e	10.43	*01*,01	B
2936	10	e 3, 2 f	10.98	*04*,04	B
2964	10	h 1, 2 k	12.11	*11*,11	Br
2964	12	f 1, 2 g	11.36	*04*,04	Be
2970	10	g 2, 1 h	11.80	00,00	B
2978	224	g 2, 1 h	11.80	00,00	B
2995	10	h 2	12.10	A	B
3177	10	g 3, 2 h	11.80	10,*10*	B
3258	10	e 1, 2 f	10.88	*14*,14	B
3287	12	d 4, 2 e	10.43	*01*,01	B
3287	8	d 2, 1 e	10.38	*16*,16	B
3290	13	e 1, 2 f	10.88	*14*,14	B
3321	10	f 1	11.32	A	Br
3323	10	e 2, 1 f	10.98	*14*,14	B
3324	10	e 4, 2 f	11.03	01,*01*	B
3346	12	f 3, 2 g	11.46	06,*06*	B
3348	10	f 3, 1 g	11.51	01,*01*	B
3349	10	f 3, 2 g	11.46	06,*06*	B
3350	10	f 3, 2 g	11.46	06,*06*	B
3376	10	k 1, 1 l	12.54	*02*,03	B
3377	10	h 2, 1 k	12.21	*11*,11	B
3569	36	n 2, 0 o	13.42	*07*,08	B
3652	15	f 3, 2 g	11.46	06,*06*	B
3656	22	f 2, 1 g	11.46	*04*,04	B
3657	15	e 4, 2 f	11.03	01,*01*	B
3694	30	f 2, 1 g	11.46	*04*,04	B
3699	30	f 3, 2 g	11.46	06,*06*	B
3712	30	f 3	11.52	A	B
3723	10	f 3, 1 g	11.51	01,*01*	B
3724	10	f 2, 1 g	11.46	*04*,04	B
3727	31	f 2, 1 g	11.46	*04*,04	B
3758	28	m 1, N	*12.9*		B
3940	25	h 2	12.10	A	B
3987	31	e 3, 2 f	10.98	*04*,04	B
4008	11	d 3, 2 e	10.38	*06*,06	B
4024	14	d 4, 2 e	10.43	*01*,01	B
4034	16	d 4, 2 e	10.43	*01*,01	B
4038	10	d 4, 2 e	10.43	*01*,01	B
4057	10	d 4, 2 e	10.43	*01*,01	B
4074	10	d 4, 2 e	10.43	*01*,01	B
4085	11	d 4, 2 e	10.43	*01*,01	B
4107	10	f 3	11.52	A	B
4129	60	f 3, 1 g	11.51	01,*01*	B
4143	10	g 2, 1 h	11.80	00,00	B
4146	5	h 1, N	*12.0*		B
4146	10	g 1, 2 h	11.70	00,00	B

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
71. *125057.* V Crucis.					
	m.				
4409	10	f 2, 1 g	11.46	*04*,04	B
4410	13	f 2, 1 g	11.46	*04*,04	B
4412	10	f 2, 1 g	11.46	*04*,04	B
4419	10	f 2, 1 g	11.46	*04*,04	B
4442	15	f 1, 2 g	11.36	*04*,04	B
4448	30	f 3, 1 g	11.51	01,*01*	B
4457	240	e 4, 2 f	11.03	01,*01*	Be
4458	240	f 2, 1 g	11.46	*04*,04	B
4767	10	d 4, 2 e	10.43	*01*,01	B
4777	10	e 1, 2 f	10.88	*14*,14	B
4783	72	d 4, 2 e	10.43	*01*,01	B
4785	9	d 4, 2 e	10.43	*01*,01	B
4795	10	d 4, 2 e	10.43	*01*,01	B
4812	*64*	d 4, 2 e	10.43	*01*,01	B
4847	11	e 4, 2 f	11.03	01,*01*	B
4848	10	e 2, 1 f	10.98	*14*,14	B
4850	10	f 1, 2 g	11.36	*04*,04	B
4854	10	e 3, 1 f	11.03	*09*,09	B
5105	60	e 3, 2 f	10.98	*04*,04	B
5119	60	e 2, 1 f	10.98	*14*,14	B
5121	10	e 3, 2 f	10.98	*04*,04	B
5121	11	e 3, 2 f	10.98	*04*,04	B
5137	60	d 4, 2 e	10.43	*01*,01	B
5148	72	d 4, 2 e	10.43	*01*,01	B
5203	10	e 3, 2 f	10.98	*04*,04	B
5206	11	e 3, 1 f	11.03	*09*,09	B
5415	60	k 1	12.52	A	B
5472	10	f 3, 2 g	11.46	06,*06*	B
5497	10	f 1, 2 g	11.36	*04*,04	B
5514	62	d 4, 2 e	10.43	*01*,01	B
5532	67	d 3, 2 e	10.38	*06*,06	B
5532	15	2 e	10.44	A	Be
5542	61	e 2, 1 f	10.98	*14*,14	B
5547	60	d 2, 1 e	10.38	*16*,16	Bi
5556	62	e 1, 2 f	10.88	*14*,14	B
5561	66	e 1, 2 f	10.88	*14*,14	B
5562	10	d 3, 1 e	10.43	*11*,11	B
"	"	e 1, 2 f	10.88	*14*,14	B
5871	60	f 2, 1 g	11.46	*04*,04	B
5885	10	d 4, 2 e	10.43	*01*,01	B
5886	10	e 1, 2 f	10.88	*14*,14	B
5887	10	d 4, 2 e	10.43	*01*,01	Be
5887	60	e 2, 1 f	10.98	*14*,14	B
5912	60	d 4	10.42	A	Be
5912	10	d 4, 2 e	10.43	*01*,01	B
5913	60	d 4, 2 e	10.43	*01*,01	B
5913	61	d 4, 2 e	10.43	*01*,01	B

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
71. *125057.* V Crucis.					
	m.				
5914	60	d 4, 2 e	10.43	*01*,01	B
5914	68	d 3, 2 e	10.38	*06*,06	B
5915	62	d 4, 2 e	10.43	*01*,01	B
5918	60	d 4, 2 e	10.43	*01*,01	B
5926	60	d 3, 2 e	10.38	*06*,06	B
5932	60	d 2, 1 e	10.38	*16*,16	B
5933	60	d 3, 1 e	10.43	*11*,11	B
5945	61	d 4, 2 e	10.43	*01*,01	B
5947	11	d 4, 2 e	10.43	*01*,01	B
6208	10	l 2, N	*12.8*		B
6254	60	h 3, 2 k	12.21	*01*,01	B
6278	64	f 3, 1 g	11.51	01,*01*	B
6302	64	f 2, 1 g	11.46	*04*,04	B
6310	68	e 3, 3 f	10.93	01,*01*	B
6327	10	d 2, 1 e	10.38	*16*,16	B
6337	60	f 1	11.32	A	B
"	"	e 2, 2 f	10.93	*09*,09	B
6587	240	h 2, 2 k	12.16	*06*,06	B
6594	10	k 2, 2 l	12.54	08,*07*	B
6612	64	k 3, 2 l	12.60	12,*13*	B
6617	240	h 2, 2 k	12.16	*06*,06	B
6632	10	g 2, 1 h	11.80	00,00	B
6643	64	g 3, 1 h	11.85	05,*05*	B
6653	10	g 2, 2 h	11.75	05,*05*	B
6653	10	g 1, 2 h	11.70	00,00	B
6653	10	g 2	11.80	A	B
6653	11	g 2, 3 h	11.70	10,*10*	B
6664	60	f 3, 2 g	11.46	06,*06*	B
6668	60	f 2	11.42	A	B
6858	10	h 1, N	*12.0*		B
6935	10	h 2, N	*12.1*		B
6972	61	f 2	11.42	A	B
7010	65	f 1	11.32	A	B
7035	69	e 4, 3 f	10.98	06,*06*	B
7037	10	d 4, 3 e	10.38	04,*04*	B
7069	10	d 3, 2 e	10.38	*06*,06	B
7075	61	e 2, 3 f	10.88	*04*,04	B
78. *133155.* RV Centauri.					
	m.				
1160	60	e 3, 2 f	9.84	02,*03*	F
1164	12	f 3	10.31	A	F
1168	10	f 1, 2 g	10.14	*03*,02	F
1190	60	g 3, 1 h	10.66	00,00	F
1192	10	g 3, 1 h	10.66	00,00	F
1531	60	d 3, 2 e	9.37	01,*01*	F

78. *133155.* RV CENTAURI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1911	10	h 4, N	*11.1*		F
2233	10	k 1, 3 l	11.27	*01*,01	F
2324	*83*	d 4, 1 e	9.47	01,*01*	F
2581	10	l 2, 1 m	11.80	*02*,03	Fp
2581	10	k 2, 2 l	11.37	*01*,01	F
2585	11	k 2, 2 l	11.37	*01*,01	F
2617	13	l 2, 1 m	11.80	*02*,03	F
2637	10	n 3, N	*12.5*		F
2637	10	m 2, 1 n	12.16	*03*,02	F
2928	10	d 4, 1 e	9.47	01,*01*	F
2933	10	d 4, 1 e	9.47	01,*01*	F
2936	10	d 4, 1 e	9.47	01,*01*	F
2963	12	e 2, 3 f	9.74	02,*03*	Be
2971	10	e 3, 2 f	9.84	02,*03*	F
3260	12	d 4, 1 e	9.47	01,*01*	F
3265	10	d 5, 0 e, 4 f	9.58	00,*02*, 03	F
3343	*60*	c 4, 1 d	8.98	00,00	F
3350	10	d 2, 3 e	9.27	01,*01*	F
3350	10	d 3, 2 e	9.37	01,*01*	F
3385	10	d 3, 2 e	9.37	01,*01*	F
3657	11	e 2, N	*9.7*		F
3666	*60*	e 1, 3 f	9.68	*02*,03	F
3693	10	e 1, 3 f	9.68	*02*,03	F
3714	12	d 5, 0 e, 4 f	9.58	00,*02*, 03	F
3717	60	e 1, 2 f	9.74	*08*,07	B
3717	10	d 3, 1 e	9.42	*04*,04	F
3722	13	d 3, 2 e	9.37	01,*01*	F
3723	10	d 3, 2 e	9.37	01,*01*	F
3946	25	h 2, 2 k	10.96	00,00	Be
3960	30	l 1, N	*11.7*		Be
4037	10	n 2, N	*12.4*		Bd
4116	10	f 2, 2 g	10.18	03,*02*	B
4121	10	e 3, 3 f	9.78	08,*07*	B
4129	*75*	e 2, 3 f	9.74	02,*03*	B
4129	60	e 2, 0 f, 2 g	9.98	*22*,03, 18	B
4146	10	e 1, 2 f	9.74	*08*,07	B
4149	10	e 2, 1 f	9.84	*08*,07	B
4392	10	l 2, 1 m	11.80	*02*,03	B
4469	10	l 3, 3 m	11.76	12,*13*	B
4749	10	e 2, 2 f	9.78	*02*,03	B
4765	10	e 2, 2 f	9.78	*02*,03	B
4795	10	g 2, 2 h	10.56	00,00	B
4811	12	h 2	10.96	A	B
4836	*235*	f 2, 2 g	10.18	03,*02*	B
4836	*235*	g 2, 1 h	10.61	*05*,05	Br
4853	10	n 3, 1 o	12.60	*02*,02	B
5080	10	d 3, 2 e	9.37	01,*01*	B
5100	10	d 3, 2 e	9.37	01,*01*	B
5109	60	e 1, 4 f	9.64	02,*03*	B
5113	60	d 2, 2 e	9.32	*04*,04	B
5114	60	d 3, 3 e	9.32	06,*06*	B
5115	10	d 2, 2 e	9.32	*04*,04	B
5116	60	d 4, 1 e	9.47	01,*01*	B
5119	60	d 4, 2 e	9.42	06,*06*	B
5128	10	d 3, 2 e	9.37	01,*01*	B
5137	60	d 2, 1 e	9.37	*09*,09	B
5147	63	e 3, 4 f	9.74	12,*13*	B
5148	72	e 1, 4 f	9.64	02,*03*	B
5169	60	d 4, 3 e	9.37	11,*11*	B
5175	*60*	d 3, 3 e	9.32	06,*06*	B
5204	10	e 3, 2 f	9.84	02,*03*	B
5204	10	e 3, 3 f	9.78	08,*07*	B
5206	11	e 3, 1 f	9.88	*02*,03	B
5474	63	f 3, 1 g	10.28	03,*02*	B
5485	64	f 1, 3 g	10.08	03,*02*	B
5485	13	e 2, 3 f	9.74	02,*03*	B
5490	60	e 1, 2 f	9.74	*08*,07	B
5513	60	d 3, 3 e	9.32	06,*06*	B
5514	62	e 4, 3 f	9.84	12,*13*	B
5516	62	e 2, 3 f	9.74	02,*03*	B
5532	67	d 4, 1 e	9.47	01,*01*	B
5533	60	e 3, 3 f	9.78	08,*07*	B
5534	10	d 3, 2 e	9.37	01,*01*	B
5542	61	e 1, 3 f	9.68	*02*,03	B
5543	62	d 4, 2 e	9.42	06,*06*	B
5547	60	d 4, 3 e	9.37	11,*11*	B
5547	60	c 5, 1 d	9.03	05,*05*	B
5557	60	d 3, 3 e	9.32	06,*06*	B
5561	66	d 4, 3 e	9.37	11,*11*	B
5562	10	d 2, 2 e	9.32	*04*,04	B
5571	62	e 2, 3 f	9.74	02,*03*	B
5572	65	d 3, 4 e	9.27	11,*11*	B
5590	71	d 3, 1 e	9.42	*04*,04	B
5590	10	d 3, 2 e	9.37	01,*01*	B
5592	10	d 3, 3 e	9.32	06,*06*	B
5828	10	g 1, N	*10.4*		B
5847	61	e 3, 2 f	9.84	02,*03*	B
5854	10	e 2, 2 f	9.78	*02*,03	B
5866	10	d 3, 2 e	9.37	01,*01*	B
5869	60	e 3, 3 f	9.78	08,*07*	B
5870	60	e 3, 1 f	9.88	*02*,03	B
5871	60	f 2, 3 g	10.14	07,*08*	B
5872	60	e 4, 2 f	9.88	08,*07*	B
5885	60	e 3, 1 f	9.88	*02*,03	B
5887	60	f 1, 2 g	10.14	*03*,02	B
5897	62	d 3, 2 e	9.37	01,*01*	B
5898	240	e 2, 1 f	9.84	*08*,07	B
5898	60	f 1, 2 g	10.14	*03*,02	B
5901	240	e 2, 2 f	9.78	*02*,03	B
5913	61	f 2, 3 g	10.14	07,*08*	B
5914	60	e 3, 2 f	9.84	02,*03*	B
5914	68	e 2, 3 f	9.74	02,*03*	B
5914	10	d 3, 2 e	9.37	01,*01*	B
5915	62	d 3, 1 e	9.42	*04*,04	B
5918	10	c 3, 2 d	8.88	00,00	B
"	"	d 3, 2 e	9.37	01,*01*	B
5925	10	d 4, 3 e	9.37	11,*11*	B
5926	60	d 4, 1 e	9.47	01,*01*	B
5932	60	d 4, 3 e	9.37	11,*11*	B
5933	60	e 2, 4 f	9.68	08,*07*	B
5940	60	d 4, 2 e	9.42	06,*06*	B
5942	60	e 2, 5 f	9.64	12,*13*	B
5945	61	d 4, 2 e	9.42	06,*06*	B
5945	60	e 2, 4 f	9.68	08,*07*	B
5947	11	d 2, 3 e	9.27	01,*01*	B
5960	10	c 3, 2 d	8.88	00,00	B
6106	62	f 1, 3 g	10.08	03,*02*	B
6241	10	n 3, 2 o	12.55	03,*03*	B
6254	60	n 3, 2 o	12.55	03,*03*	B
6298	60	k 2	11.36	A	Bd
6309	10	h 2, 3 k	10.91	05,*05*	B
"	"	k 1, 2 l	11.32	*06*,06	B
6327	10	n 1	12.38	A	Br
"	"	n 0	12.28	A	L
6473	62	d 5, 2 e	9.47	11,*11*	B
6489	60	d 5, 2 e	9.47	11,*11*	B
6496	86	e 2, 4 f	9.68	08,*07*	B
6579	10	g 3; 3 h	10.56	10,*10*	B
6583	10	g 3, 3 h	10.56	10,*10*	B
6593	10	h 2, 3 k	10.91	05,*05*	B
6593	11	h 2, 1 k	11.01	*05*,05	B
6593	60	g 1, 2 h	10.51	*05*,05	B
6653	10	n 3, 1 o	12.60	*02*,02	B
6653	11	n 3, 1 o	12.60	*02*,02	B
6726	60	e 4, 1 f	9.94	02,*03*	B
6859	69	e 1, 2 f	9.74	*08*,07	B
6870	61	e 3, 2 f	9.84	02,*03*	B
6870	60	e 3, 4 f	9.74	12,*13*	B

78. *133155*. RV CENTAURI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6905	65	e 1, 3 f	9.68	*02*,03	B
6911	61	d 5, 3 e	9.42	16,*16*	B
6918	61	d 5, 2 e	9.47	11,*11*	B
6932	61	d 4, 2 e	9.42	06,*06*	B
6932	10	d 2, 3 e	9.27	01,*01*	B
6934	10	d 2, 3 e	9.27	01,*01*	B
6936	62	d 4, 3 e	9.37	11,*11*	B
6938	60	d 4, 3 e	9.37	11,*11*	B
6942	60	e 1, 4 f	9.64	02,*03*	B
6943	12	d 2, 3 e	9.27	01,*01*	B
6951	53	e 1, 4 f	9.64	02,*03*	B
6957	10	d 3, 2 e	9.37	01,*01*	B
6958	63	d 4, 3 e	9.37	11,*11*	B
6971	60	f 1, 2 g	10.14	*03*,02	B
6972	61	e 4, 3 f	9.84	12,*13*	B
6977	60	e 1, 3 f	9.68	*02*,03	B
6977	60	e 4, 3 f	9.84	12,*13*	B
6979	65	e 4, 3 f	9.84	12,*13*	B
6991	63	f 3, 3 g	10.18	13,*12*	B
6999	64	e 3, 2 f	9.84	02,*03*	B
7006	63	e 3, 0 f,	10.04	*18*,*03*,	B
		1 g		22	
7009	72	f 2, 1 g	10.24	*03*,02	B
7010	65	g 2, 2 h	10.56	00,00	B
7018	60	f 2, 1 g	10.24	*03*,02	B
7021	60	g 2, 1 h	10.61	*05*,05	B
7035	69	g 3, 2 h	10.61	05,*05*	B
7035	70	g 2, 2 h	10.56	00,00	B
7037	10	g 1, 2 h	10.51	*05*,05	B
7072	10	h 1, 2 k	10.91	*05*,05	B
"	"	g 2, 1 h	10.61	*05*,05	B
7094	72	g 1, N	*10.4*		B

81. 140113. Z BOOTIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1459	13	l 2, N	*12.8*		F
1849	12	a 4, 1 b	9.98	*04*,04	F
1876	10	c 1, 2 d	10.51	09,*09*	F
2252	10	l 2, N	*12.8*		F
2593	17	l 2, N	*12.8*		B
2604	50	l 1	12.70	A	F
2904	15	n 1, N	*13.1*		F
2914	13	l 3	12.90	A	F
2958	*61*	b 1, 3 c	10.21	01,*01*	Fe
3324	16	h 2, 1 k	12.14	03,*02*	F
3324	20	g 3, 0 h,	11.94	*02*,03,	F
		3 k		*02*	
3614	17	l 3, 3 n	12.84	06,*07*	F
3615	11	l 3, 3 n	12.84	06,*07*	F
3761	10	h 2, 3 k	12.04	13,*12*	B
3944	10	l 1, N	*12.7*		F
3999	11	l 3, N	*12.9*		B
4035	16	l 3, 2 n	12.88	02,*01*	F
4333	11	h 2, 2 k	12.10	07,*08*	B
4333	14	g 2, 2 h	11.80	02,*03*	B
4348	*65*	b 2	10.32	A	Bp
4358	22	a 2, 2 b	9.83	*09*,09	B
4383	14	A 2, 1 a	9.40	*04*,04	B
4387	13	a 1, 3 b	9.73	*09*,09	B
4401	12	a 2, 1 b	9.88	*14*,14	B
4406	16	b 2, 1 c	10.36	*04*,04	B
4419	12	d 2, 3 e	10.77	05,*05*	B
4642	13	b 2, 1 c	10.36	*04*,04	B
4701	60	f 2, 2 g	11.46	04,*04*	B
4708	16	f 2, 2 g	11.46	04,*04*	B
4814	11	l 4	13.00	A	B
5028	65	k 2, 2 l	12.41	01,*01*	B
"	"	l 2, 3 n	12.78	02,*01*	B
5082	59	n 3, 1 o	13.37	00,00	B
5110	*59*	l 1, N	*12.7*		B
5168	10	l 4	13.00	A	B
5171	30	l 3	12.90	A	B
5175	33	l 2, 3 n	12.78	02,*01*	B
5180	10	l 2	12.80	A	B
5196	24	f 2, 1 g	11.51	*01*,01	B
5197	30	f 1, 2 g	11.41	*01*,01	B
5217	24	d 1, 3 e	10.72	00,00	B
5217	27	c 1, 2 d	10.51	09,*09*	B
5217	60	b 4, 3 c	10.36	16,*16*	B
5487	82	b 1, 3 c	10.21	01,*01*	B
5502	69	A 3, 2 a	9.40	06,*06*	B
5502	28	a 2, 2 b	9.83	*09*,09	B
5503	43	a 3, 2 b	9.88	*04*,04	B
5513	60	A 2, 1 a	9.40	*04*,04	B
5515	70	A 1, 3 a	9.25	01,*01*	B
5541	60	a 2, 1 b	9.88	*14*,14	B
5541	63	b 4, 2 c	10.41	11,*11*	B
5544	66	b 3, 3 c	10.31	11,*11*	B
5547	60	b 3, 3 c	10.31	11,*11*	B
5767	90	d 2, 3 f	10.91	*09*,09	B
5786	60	b 2, 3 c	10.26	06,*06*	B
5786	60	b 2, 3 c	10.26	06,*06*	B
5823	79	c 1, 2 d	10.51	09,*09*	B
5855	63	g 2	11.82	A	B
5855	10	g 2, 3 h	11.74	08,*07*	B
5878	10	h 3, 2 k	12.14	13,*12*	B
5881	75	h 2	12.17	A	B
5912	60	n 3, 1 o	13.37	00,00	B
6138	122	f 2, 2 g	11.46	04,*04*	B
6156	25	k 2, N	*12.4*		B
6267	60	o 3, 1 p	13.74	03,*02*	B
6340	60	c 2, 2 d	10.56	14,*14*	B
6360	62	b 2, 3 c	10.26	06,*06*	B
6526	*71*	g 1, N	*11.7*		B
6634	60	d 3, 2 f	11.01	*09*,09	B
6636	60	c 1, 2 d	10.51	09,*09*	B
6643	*62*	c 2, 1 d	10.61	09,*09*	B
6644	*70*	c 2	10.70	A	Bp
6645	60	b 3, 1 c	10.41	01,*01*	B
6647	14	d 2, 3 e	10.77	05,*05*	B
6649	*58*	c 2, 3 d	10.51	19,*19*	B
6651	18	b 1, 2 c	10.26	*04*,04	B
6651	61	b 3, 1 c	10.41	01,*01*	B
6652	60	b 3, 2 c	10.36	06,*06*	B
6662	63	b 3, 2 c	10.36	06,*06*	B
6663	64	b 4, 3 c	10.36	16,*16*	B
6666	62	b 2, 2 c	10.31	01,*01*	B
6669	65	b 3, 3 c	10.31	11,*11*	B
6671	69	b 3, 1 c	10.41	01,*01*	B
6692	59	d 3, 2 f	11.01	*09*,09	B
6696	66	c 3, 1 d	10.66	14,*14*	B
6697	64	d 2, 3 f	10.91	*09*,09	B
6888	15	l 2	12.80	A	B
6892	15	l 3, 2 n	12.88	02,*01*	B
6905	65	f 2, 2 g	11.46	04,*04*	B
6906	16	f 2, 1 g	11.51	*01*,01	B
6906	26	f 2, 2 g	11.46	04,*04*	B
6907	18	f 2, 3 g	11.41	09,*09*	B
6907	17	f 1, 2 g	11.41	*01*,01	B
6909	59	f 1, 3 g	11.36	04,*04*	B
6910	66	d 3, 1 f	11.06	*14*,14	B
6911	57	d 2, 2 f	10.96	*14*,14	B
6921	65	b 3, 1 c	10.41	01,*01*	B
6922	65	b 4, 3 c	10.36	16,*16*	B
6932	62	b 3, 2 c	10.36	06,*06*	B
6932	63	b 3, 3 c	10.31	11,*11*	B
6933	60	b 3, 1 c	10.41	01,*01*	B
6934	14	d 1, 3 e	10.72	00,00	B
6935	60	b 1, 3 c	10.21	01,*01*	B
6937	58	b 2, 2 c	10.31	01,*01*	B

81. 140113. Z Bootis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6937	61	b 3, 3 c	10.31	11,*11*	B
6938	68	b 3, 2 c	10.36	06,*06*	B
6939	22	c 1, 2 d	10.51	09,*09*	B
6948	60	b 2, 3 c	10.26	06,*06*	B
6957	61	b 2, 3 c	10.26	06,*06*	B
6959	73	b 4, 3 c	10.36	16,*16*	B
6959	*81*	d 1, 3 e	10.72	00,00	B
6973	71	c 1, 2 d	10.51	09,*09*	B
6975	39	d 3, 2 e	10.87	05,*05*	B
6975	52	d 1, 3 e	10.72	00,00	B
6978	72	c 2, 2 d	10.56	14,*14*	B
6988	61	f 1, 2 g	11.41	*01*,01	B
6989	30	f 2, 3 g	11.41	09,*09*	B
7006	11	h 3, 1 k	12.20	07,*08*	B
7017	67	f 3, 1 g	11.56	04,*04*	B
7054	60	f 3, 1 g	11.56	04,*04*	B

84. 142205. RS Virginis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
0434	*41*	a 2, 3 b	7.48	*04*,04	Bp
1507	15	d 1, 3 e	8.99	*07*,07	Bp
1565	11	e 2, 1 f	9.65	*09*,09	B
1876	10	c 4, 2 d	8.62	*01*,00	B
1911	10	d 3, 2 e	9.14	*02*,02	B
1911	10	d 2, 2 e	9.09	*07*,07	Bd
2209	60	a 7	7.94	A	Be
2215	*94*	c 3, 2 d	8.56	*05*,06	B
2236	62	d 2, 3 e	9.04	*02*,02	B
2243	12	c 4, 2 d	8.62	*01*,00	B
2246	13	d 1, 2 e	9.04	*12*,12	B
2247	12	c 2, 2 d	8.52	*11*,10	B
2248	11	c 2, 1 d	8.56	*15*,16	B
2251	13	d 1, 2 e	9.04	*12*,12	B
2251	13	c 3, 1 d	8.62	*11*,10	Bd
2252	11	d 2, 2 e	9.09	*07*,07	B
2256	13	d 2, 3 e	9.04	*02*,02	Bp
2260	21	d 4, 1 e	9.24	*02*,02	B
2262	10	c 2, 1 d	8.56	*15*,16	Bd
2262	85	c 4, 2 d	8.62	*01*,00	B
2265	11	d 2, 3 e	9.04	*02*,02	B
2286	14	e 3, 2 f	9.65	01,*01*	B
2301	12	g 2, 3 h	10.47	06,*06*	B
2310	16	k 2, 2 l	11.16	05,*04*	B
2592	10	f 2, 2 g	10.08	*04*,05	B
2608	13	g 1, 2 h	10.47	*04*,04	B
2625	23	g 1, 2 h	10.47	*04*,04	B
2646	10	h 2, 2 k	10.86	05,*05*	B
2652	*65*	g 2	10.53	A	B
2669	10	k 1, 1 l	11.16	*05*,06	B
2669	10	l 2, 2 m	11.50	02,*01*	B
2678	14	m 2, 2 n	11.86	03,*04*	B
2904	11	c 2, 2 d	8.52	*11*,10	Bd
2914	10	c 2, 2 d	8.52	*11*,10	B
2921	*60*	b 3, 2 c	8.06	06,*05*	B
2944	19	c 2, 2 d	8.52	*11*,10	B
2945	27	1 c	8.11	A	Be
2950	*62*	c 2, 2 d	8.52	*11*,10	B
2964	17	c 3, 2 d	8.56	*05*,06	B
2972	12	d 2, 1 e	9.14	*12*,12	B
2988	*60*	e 2, 3 f	9.55	01,*01*	B
3010	*60*	f 2, 2 g	10.08	*04*,05	B
3247	10	e 2, 2 f	9.60	*04*,04	B
3287	23	e 2, 3 f	9.55	01,*01*	B
3316	16	e 1, 1 f	9.60	*14*,14	B
3324	10	e 1, 2 f	9.55	*09*,09	Bd
3324	10	e 1, 2 f	9.55	*09*,09	B
3327	11	f 1, 2 g	10.04	*10*,09	B
3330	*65*	e 2, 1 f	9.65	*09*,09	B
3350	10	g 2, 1 h	10.57	*04*,04	B
3359	15	h 1, 2 k	10.81	00,00	B
3586	10	q 2	13.01	A	B
3615	10	g 2, 2 h	10.52	01,*01*	B
3626	10	f 2, 1 g	10.14	*10*,09	B
"	"	e 2, 1 f	9.65	*09*,09	B
3626	11	e 3, 2 f	9.65	01,*01*	B
3636	25	g 1, 2 h	10.47	*04*,04	B
"	"	f 1, 1 g	10.08	*14*,15	B
3643	14	e 1, 2 f	9.55	*09*,09	B
3666	13	g 2, 3 h	10.47	06,*06*	B
3672	22	f 1, 1 g	10.08	*14*,15	B
3691	10	g 2, 2 h	10.52	01,*01*	B
3699	10	h 1, 2 k	10.81	00,00	B
3711	14	k 2, 2 l	11.16	05,*04*	B
3716	10	h 2, 2 k	10.86	*05*,05	B
"	"	k 2, 1 l	11.22	*01*,00	B
3723	10	l 1, 2 m	11.46	*04*,03	B
3729	10	m 1, 2 n	11.80	01,*02*	B
3737	10	m 2, 0 n	11.96	*07*,06	Be
"	"	m 1, 2 n	11.80	*01*,02	B
3738	10	m 2, 2 n	11.86	03,*04*	B
3748	13	m 3, 1 n	11.96	03,*04*	B
3766	11	p 2, 2 q	12.60	*01*,01	B
3787	10	q 1	12.91	A	B
3923	10	r 3, N	*13.3*		B
3935	11	p 1, 2 q	12.55	*06*,06	B
3944	13	l 2, 3 m	11.46	06,*07*	B
3951	46	f 1, 1 g	10.08	*14*,15	B
3952	11	f 2, 1 g	10.14	*10*,09	Be
3965	15	e 2, 3 f	9.55	01,*01*	B
3974	24	d 3, 3 e	9.09	03,*03*	Be
3995	39	d 2, 3 e	9.04	*02*,02	B
3998	19	d 1, 2 e	9.04	*12*,12	B
4021	11	a 2	7.44	A	Be
4027	10	b 2, 2 c	8.02	00,*01*	B
4036	10	c 1, 3 d	8.42	*11*,10	B
4063	10	e 2, 1 f	9.65	*09*,09	B
4077	13	f 2, 2 g	10.08	*04*,05	B
4077	10	g 1, 2 h	10.47	*04*,04	B
4087	12	h 2, 3 k	10.81	10,*10*	B
4104	10	h 1, 1 k	10.86	*05*,05	B
4115	10	m 1, 1 n	11.86	*07*,06	B
4143	10	p 3, 1 q	12.70	*01*,01	B
4150	13	q 1, N	12.91		B
4298	16	l 2, 1 m	11.56	*04*,03	B
4322	17	e 1, 2 f	9.55	*09*,09	B
4350	27	d 2, 1 e	9.14	*12*,12	B
4380	11	e 3, 2 f	9.65	01,*01*	B
4387	11	e 2, 2 f	9.60	*04*,04	B
4409	11	f 2, 1 g	10.14	*10*,09	B
4417	13	g 2, 1 h	10.57	*04*,04	B
4423	*61*	h 2, 2 k	10.86	05,*05*	B
4431	12	k 2, 1 l	11.22	*01*,00	B
4435	10	h 2, 2 k	10.86	05,*05*	B
4436	12	k 2, 1 l	11.22	*01*,00	Bd
4472	10	m 2, 1 n	11.90	*01*,02	B
4476	10	p 2, 2 q	12.60	*01*,01	B
4540	10	n 3, N	*12.3*		B
4680	61	c 1, 2 d	8.46	*15*,16	B
4701	60	b 2, 1 c	8.06	*04*,05	B
4708	10	b 3, 1 c	8.12	00,*01*	Bd
4733	63	c 2, 3 d	8.46	*05*,06	B
4738	63	c 3, 1 d	8.62	*11*,10	B
4738	12	d 2, 2 e	9.09	*07*,07	B
4746	*61*	e 1, 3 f	9.50	*04*,04	B
4751	*62*	e 2, 2 f	9.60	*04*,04	B
4753	11	e 1, 2 f	9.55	*09*,09	Bd
4757	71	d 2, 3 e	9.04	*02*,02	B
4773	79	e 2, 1 f	9.65	*09*,09	B
4778	10	f 1, 1 g	10.08	*14*,15	B
4786	64	g 1, 2 h	10.47	*04*,04	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
84. 142205. RS Virginis.					
	m.				
4799	12	k 3, 2 l	11.22	09,*10*	B
4812	11	k 2, 2 l	11.16	05,*04*	B
4832	11	l 2, 2 m	11.50	02,*01*	B
4847	10	p 1, 2 q	12.55	*06*,06	B
4853	11	p 2, 2 q	12.60	*01*,01	B
4854	10	o 2, 2 p	12.32	12,*13*	B
4855	10	p 2, 3 q	12.55	04,*04*	B
4855	10	n 2, 1 o	12.18	04,*04*	B
4883	10	r 3, 1 s	13.34	*01*,02	B
4884	10	q 2, 1 r	12.97	04,*04*	B
5051	65	d 1, 3 e	8.99	*07*,07	B
5056	68	c 2, 1 d	8.56	*15*,16	B
5078	61	c 3, 1 d	8.62	*11*,10	B
5082	10	d 1, 2 e	9.04	*12*,12	B
5089	94	d 1, 3 e	8.99	*07*,07	B
5090	12	d 2, 1 e	9.14	*12*,12	B
5111	64	e 2, 2 f	9.60	*04*,04	B
5113	62	f 1, 2 g	10.04	*10*,09	B
5116	59	e 2, 2 f	9.60	*04*,04	B
5118	61	f 2, 1 g	10.14	*10*,09	B
5119	10	e 2, 1 f	9.65	*09*,09	B
5119	15	f 1, 1 g	10.08	*14*,15	B
5121	68	e 2, 2 f	9.60	*04*,04	B
5145	13	k 1, 2 l	11.12	*01*,00	B
5147	61	h 3, 2 k	10.91	10,*10*	B
5148	10	l 1, 3 m	11.40	02,*01*	B
5162	10	l 2, 2 m	11.50	02,*01*	B
5162	10	l 2, 2 m	11.50	02,*01*	B
5210	10	q 2, 1 r	12.97	04,*04*	B
5385	55	e 1, 2 f	9.55	*09*,09	B
5426	62	d 3, 1 e	9.19	*07*,07	B
5443	64	e 3, 2 f	9.65	01,*01*	B
5461	74	f 1, 2 g	10.04	*10*,09	B
5487	82	g 2, 2 h	10.52	01,*01*	B
5499	10	g 3, 1 h	10.62	01,*01*	B
5502	13	h 2, 1 k	10.91	00,00	B
5502	69	h 1, 2 k	10.81	00,00	B
5513	60	k 2, 1 l	11.22	*01*,00	B
5515	70	k 3, 3 l	11.16	15,*14*	B
5541	10	n 2, 2 o	12.13	09,*09*	B
"	"	m 2, 1 n	11.90	*01*,02	B
5542	36	p 2, 2 q	12.60	*01*,01	B
5542	10	o 2, 1 p	12.36	08,*07*	B
5554	18	p 2, 1 q	12.65	*06*,06	B
5593	10	r 1, N	*13.1*		Bd
5632	10	p 1, N	*12.4*		B
5749	70	c 1, 2 d	8.46	*15*,16	B
5767	90	c 3, 1 d	8.62	*11*,10	B
5786	60	c 3, 1 d	8.62	*11*,10	B
5786	60	c 3, 2 d	8.56	*05*,06	B
5823	79	e 3, 1 f	9.70	*04*,04	B
5828	10	f 2, 3 g	10.04	00,*01*	B
5841	10	g 2, 3 h	10.47	06,*06*	B
5854	60	g 3, 2 h	10.57	06,*06*	B
5855	63	h 2, 1 k	10.91	00,00	B
5855	10	h 2, 1 k	10.91	00,00	B
5858	10	g 1, 2 h	10.47	*04*,04	B
5866	60	g 2, 0 h, 2 k	10.68	*15*,03, 13	B
5868	55	k 1, 2 l	11.12	*01*,00	B
5881	75	l 1, 2 m	11.46	*04*,03	B
5883	73	l 2, 3 m	11.46	06,*07*	B
5885	60	k 2, 1 l	11.22	*01*,00	B
5885	10	l 2, 3 m	11.46	06,*07*	B
5886	10	m 2, 2 n	11.86	03,*04*	B
5896	60	m 2, 3 n	11.80	09,*08*	B
5898	60	m 2, 3 n	11.80	09,*08*	B
5925	10	o 2, 0 p, 2 q	12.48	*04*,*09*, 13	B
5925	11	p 3, 1 q	12.70	*01*,01	Bd
5946	11	q 1, N	*12.9*		B
6133	68	c 2, 3 d	8.46	*05*,06	B
6138	122	c 2, 2 d	8.52	*09*,10	B
6169	61	d 3, 1 e	9.19	*07*,07	B
6183	10	e 3, 2 f	9.65	01,*01*	B
6210	83	h 2, 2 k	10.86	05,*05*	B
6222	80	h 2, 2 k	10.86	05,*05*	B
6222	64	h 2, 1 k	10.91	00,00	B
6228	59	k 2, 2 l	11.16	05,*04*	B
6234	81	m 1, 3 n	11.76	03,*04*	B
6239	63	l 2, 3 m	11.46	06,*07*	B
6240	10	m 2, 3 n	11.80	09,*08*	B
6241	60	l 2, 1 m	11.56	*04*,03	B
6249	61	m 1, 3 n	11.76	03,*04*	B
6249	10	m 1, 3 n	11.76	03,*04*	B
6268	10	r 1	13.13	A	B
"	"	p 3, 2 q	12.65	04,*04*	B
6269	10	p 3, 2 q	12.65	04,*04*	B
6269	60	o 1	12.34	A	B
6302	10	r 3, 0 s	13.39	*06*,06	B
6310	60	r 3, 2 s	13.29	04,*04*	B
6484	36	e 1, 2 f	9.55	*09*,09	B
6485	60	d 1, 2 e	9.04	*12*,12	B
6507	38	e 3, 2 f	9.65	01,*01*	B
6527	76	h 1, 2 k	10.81	00,00	B
6527	*82*	f 1, 1 g	10.08	*14*,15	B
"	"	g 1, 2 h	10.47	*04*,04	B
6533	86	h 1, 2 k	10.81	00,00	B
6549	*71*	h 1, 2 k	10.81	00,00	B
6553	73	k 2, 1 l	11.22	*01*,00	B
6563	64	k 3, 2 l	11.22	09,*10*	B
6576	63	m 1, 2 n	11.80	*01*,02	B
6583	10	n 1, 1 o	12.13	*01*,01	B
6603	10	q 1, 1 r	12.92	*01*,01	B
6604	10	p 3, 1 q	12.70	*01*,01	B
6604	63	p 1	12.49	A	B
6607	10	p 2, 0 q, 1 r	12.78	*19*,03, 15	B
6632	10	q 3, 2 r	12.97	14,*14*	B
6636	240	r 3, 2 s	13.29	04,*04*	B
6651	23	r 2, 1 s	13.29	*06*,06	B
6692	60	r 3, 2 s	13.29	04,*04*	B
6843	77	c 3, 2 d	8.56	*05*,06	B
6858	63	d 3, 1 e	9.19	*07*,07	B
6863	68	d 2, 1 e	9.14	*12*,12	B
6870	10	e 2, 3 f	9.55	01,*01*	B
6874	54	e 2, 3 f	9.55	01,*01*	B
6879	28	f 2, 3 g	10.04	00,*01*	B
6880	56	e 2, 0 f, 2 g	9.84	*28*,00, 29	B
6881	71	e 2, 1 f	9.65	*09*,09	B
6891	26	g 1, 2 h	10.47	*04*,04	B
6892	57	g 2, 3 h	10.47	06,*06*	B
6902	10	h 1, 2 k	10.81	00,00	B
6905	65	g 3, 1 h	10.62	01,*01*	B
6909	59	h 2, 1 k	10.91	00,00	B
6910	66	h 1, 2 k	10.81	00,00	B
6922	65	h 3, 1 k	10.96	05,*05*	B
6932	62	l 2, 3 m	11.46	06,*07*	B
6932	63	l 1, 2 m	11.46	*04*,03	B
6933	10	m 1, 3 n	11.76	03,*04*	B
6938	68	m 1, 3 n	11.76	03,*04*	B
6959	73	q 1	12.91	A	Bd
6979	10	q 2, 2 r	12.92	09,*09*	B
7076	10	q 1, N	*12.9*		B
7171	74	e 1, 2 f	9.55	*09*,09	B
87. *144646*a. S Lupi.					
	m.				
1167	10	l 2, 1 m	12.26	03,*04*	F

87. *144646*a. S Lupi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1186	73	p 1, N	*13.3*		B
1508	60	o 1, N	*13.1*		B
1510	60	l 2, 3 m	12.16	13,*14*	Bp
1516	10	k 1, 2 l	11.81	*08*,08	B
1873	10	h 4, 0 k	11.58	*05*,05	Fr
1873	10	m 2	12.52	A	B
1894	10	f 5, 0 g, 4 h	10.74	05,*05*, *01*	F
1895	72	g 4, 2 h	11.01	08,*08*	F
1907	10	g 1, 4 h	10.76	03,*03*	F
“	“	f 5, 0 g, 5 h	10.70	09,*01*, *07*	F
1907	10	f 3, 2 g	10.54	05,*05*	F
1925	77	e 3, 3 f	10.08	09,*09*	F
1925	124	e 3, 3 f	10.08	09,*09*	F
1984	10	e 4, 1 f	10.23	04,*04*	F
“	“	f 1, 4 g	10.34	05,*05*	F
2212	62	l 2, 1 m	12.26	03,*04*	F
2250	60	e 1, 3 f	9.98	*01*,01	B
2251	60	e 2, 2 f	10.08	*01*,01	B
2578	10	k 5, N	*12.1*		F
2582	13	k 2, 4 l	11.76	07,*07*	F
2591	10	h 2	11.33	A	F
2618	10	f 4, 1 g	10.64	05,*05*	F
2636	*56*	d 2, 2 e	9.63	*04*,04	B
2638	10	d 5, 0 e, 5 f	9.85	04,02, *06*	F
“	“	d 4, 1 e	9.78	01,*01*	F
2655	*72*	d 3, 1 e	9.73	*04*,04	B
2933	10	h 4, 1 k	11.53	00,00	F
2937	10	h 4, 2 k	11.48	05,*05*	F
2972	11	d 4, 0 e, 4 f	9.85	*06*,02, 04	F
“	“	d 4, 1 e	9.78	01,*01*	F
2973	*88*	d 4, 2 e	9.73	06,*06*	F
2994	10	d 2, 2 e	9.63	*04*,04	Be
2995	10	d 3, 0 e, 2 f	9.88	*19*,*01*, 21	Be
3265	8	k 1, N	*11.7*		B
3310	10	h 2, 2 k	11.38	*05*,05	B
3327	13	e 2, 2 f	10.08	*01*,01	Be
3346	10	d 2, 2 e	9.63	*04*,04	B
3353	10	d 2, 2 e	9.63	*04*,04	B
3363	120	f 2, 2 g	10.49	00,00	Be
3383	19	g 1, 2 h	10.86	*07*,07	B
3384	10	f 2, 2 g	10.49	00,00	B
3408	13	k 1, 2 l	11.81	*08*,08	B

87. *144646*a. S Lupi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3569	11	n 1, N	*12.7*		B
3635	13	h 2, 2 k	11.38	*05*,05	B
3652	10	d 2, 1 e	9.68	*09*,09	B
3657	10	d 2, 1 e	9.68	*09*,09	B
3657	10	d 2, 2 e	9.63	*04*,04	B
3673	10	d 1, 2 e	9.58	*09*,09	B
3684	10	d 2, 2 e	9.63	*04*,04	B
3694	10	d 2, 2 e	9.63	*04*,04	B
3702	11	d 3, 1 e	9.73	*04*,04	B
3712	19	e 2, 1 f	10.13	*06*,06	B
3716	10	f 1, 3 g	10.39	00,00	B
3717	13	f 2, 3 g	10.44	05,*05*	B
3727	10	g 2, 2 h	10.91	*02*,02	B
3738	11	g 2, 2 h	10.91	*02*,02	B
3743	12	k 2, 2 l	11.86	*03*,03	B
3747	16	k 2, 1 l	11.91	*08*,08	B
3758	12	n 3, 3 o	12.81	09,*09*	B
3785	15	o 2, N	*13.2*		B
3946	10	o 3, N	*13.3*		B
3987	12	m 2, 1 n	12.51	01,*01*	B
4008	11	g 1, 2 h	10.86	*07*,07	B
4024	16	e 3, 2 f	10.13	04,*04*	B
4035	10	e 3, 2 f	10.13	04,*04*	B
4038	11	f 2, 3 g	10.44	05,*05*	B
4052	*60*	f 1, 2 g	10.44	*05*,05	B
4055	15	e 2, 2 f	10.08	*01*,01	B
4070	12	f 2, 2 g	10.49	00,00	B
4072	10	g 3, 2 h	10.96	03,*03*	B
4077	10	g 1, 2 h	10.86	*07*,07	B
4077	10	g 2, 3 h	10.86	03,*03*	B
4078	10	g 2, 1 h	10.96	*07*,07	B
4083	10	h 1, 2 k	11.33	*10*,10	B
4107	15	m 1, 2 n	12.41	01,*01*	B
4153	71	s 1, 2 t	14.21	06,*06*	B
4156	67	t 1, N	*14.4*		Bp
4377	10	d 3, 3 e	9.63	06,*06*	B
4377	10	e 3, 2 f	10.13	04,*04*	B
4391	5	e 3, 3 f	10.08	09,*09*	B
4410	18	f 2, 2 g	10.49	00,00	B
4412	10	f 1, 2 g	10.44	*05*,05	B
4448	15	m 1, 1 n	12.46	*04*,04	B
4479	14	m 2, 1 n	12.51	01,*01*	B
4549	10	p 1, N	*13.3*		B
4750	10	e 3, 0 f, 3 g	10.28	*11*,01, 11	Bd
4753	12	f 2, 3 g	10.44	05,*05*	B
4766	11	g 3, 1 h	11.01	*02*,02	B

87. *144646*a. S Lupi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4766	10	g 3, 2 h	10.96	03,*03*	B
4842	10	m 2, 2 n	12.46	06,*06*	B
4855	11	m 2, 2 n	12.46	06,*06*	Be
4882	10	n 3, 3 o	12.81	09,*09*	B
5082	12	e 3, 3 f	10.08	09,*09*	B
5108	60	f 3, 3 g	10.49	10,*10*	Be
5114	64	e 5, 2 f	10.23	14,*14*	Be
5119	9	h 1, 4 k	11.23	00,00	B
5121	10	h 3, 3 k	11.38	05,*05*	B
5136	60	m 1, 1 n	12.46	*04*,04	B
“	“	k 4, 2 l	11.96	07,*07*	F
5137	65	k 1, 4 l	11.71	02,*02*	B
5142	60	h 3, 1 k	11.48	*05*,05	Bp
5148	10	k 2, 2 l	11.86	*03*,03	Bp
5175	*64*	o 1	13.12	A	B
5206	10	p 2, N	*13.4*		B
5499	11	k 3, 2 l	11.91	02,*02*	Be
5515	10	l 3, 3 m	12.20	19,*18*	Br
5541	10	n 2, N	*12.8*		B
5546	60	o 2, N	*13.2*		B
5547	60	p 2, N	*13.4*		B
5557	60	o 3, N	*13.3*		B
5904	120	t 2, 3 u	14.52	03,*02*	B
5934	60	n 1, 1 o	12.81	*11*,11	B
6151	66	k 3, 2 l	11.91	02,*02*	B
6241	10	l 1, 1 m	12.20	*01*,02	B
6255	60	q 1, N	*13.7*		B
6344	10	h 2, 2 k	11.38	*05*,05	B
6603	10	m 1, N	*12.4*		Bp
6614	61	p 1, N	*13.3*		B
6645	240	t 2, N	*14.5*		B
6683	12	k 2, 2 l	11.86	*03*,03	B
6935	10	p 1, N	*13.3*		B
7037	11	h 1, 2 k	11.33	*10*,10	B
7076	10	f 1, 2 g	10.44	*05*,05	B
7076	11	e 2, 2 f	10.08	*01*,01	B

92. *150850*. W Lupi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1160	60	n 1, 1 o	11.95	*05*,05	B
1164	10	m 1, 1 n	11.66	*04*,04	B
1186	73	o 1, 2 p	12.16	04,*04*	B
1531	60	o 1, N	*12.2*		B
1869	10	l 1, 2 m	11.32	00,00	Bd
1869	10	l 1, 2 m	11.32	00,00	B

92. *150850.* W Lupi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1894	10	n 1, 1 o	11.95	*05*,05	B
1907	10	m 2, 2 n	11.66	06,*06*	B
2638	10	q 1, N	*12.6*		B
2837	19	o 1, 2 p	12.16	04,*04*	B
2945	40	s 1, N	*13.1*		B
3050	10	l 2, 1 m	11.42	00,00	B
3083	20	o 2, 1 p	12.26	04,*04*	B
3182	15	o 2, N	*12.3*		B
3258	30	l 2, 2 m	11.37	05,*05*	B
3290	39	l 1, 2 m	11.32	00,00	B
3292	11	m 1, 2 n	11.61	01,*01*	B
3301	20	m 1, 1 n	11.66	*04*,04	B
3327	13	p 2, 1 q	12.46	06,*06*	B
3329	123	q 2, 2 r	12.65	05,*05*	B
3409	32	s 2, N	*13.2*		B
3628	60	s 1, N	*13.1*		B
3715	64	p 2, 2 q	12.41	11,*11*	B
3730	10	l 2, 2 m	11.37	05,*05*	B
3772	65	n 3, 2 o	12.00	10,*10*	Br
4106	249	s 3, 1 t	13.30	00,00	B
4449	10	l 1, 2 m	11.32	00,00	B
4451	300	l 1, 2 m	11.32	00,00	B
4490	60	o 1, 1 p	12.21	*01*,01	B
4536	10	o 2, N	*12.3*		B
4753	12	o 2, N	*12.3*		B
4850	10	o 1, N	*12.2*		B
5108	61	q 1, 1 r	12.65	*05*,05	B
5121	10	o 1	12.20	A	B
5136	60	l 2, 1 m	11.42	00,00	B
5142	82	k 2, 1 l	11.04	*07*,08	B
5204	*60*	k 1, 1 l	11.00	*13*,12	B
5264	10	s 2, N	*13.2*		B
5522	60	r 1, N	*12.9*		B
5632	11	k 2, 3 l	10.94	03,*02*	B
5854	10	l 2, 1 m	11.42	00,00	B
5866	10	l 3, 2 m	11.42	10,*10*	B
5897	10	n 2	12.00	A	B
5910	63	o 2, 3 p	12.16	14,*14*	B
5928	60	o 3, N	*12.4*		B
6151	66	m 2, 1 n	11.71	01,*01*	B
6269	10	r 1, N	*12.9*		B
6290	240	p 1, 2 q	12.36	06,*06*	B
6310	12	m 2, 2 n	11.66	06,*06*	B
6344	10	l 2, 2 m	11.37	05,*05*	B
6359	10	m 2, 1 n	11.71	01,*01*	B
6594	10	l 2, 2 m	11.37	05,*05*	B
6642	240	r 1, 2 s	12.85	05,*05*	B
6932	10	o 2, N	*12.3*		B
7037	10	m 1, 1 n	11.66	*04*,04	B
7076	11	n 2, 2 o	11.95	05,*05*	B

93. *151822.* RS Librae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1158	64	c 2, 1 d	9.34	*02*,03	B
1161	65	c 1, 2 d	9.24	*02*,03	B
1173	62	a 4, 2 b	8.59	*01*,01	B
1190	72	a 4, 3 b	8.54	04,*04*	B
1196	10	a 5, 1 b	8.69	*01*,01	B
1196	10	a 5, 2 b	8.64	04,*04*	B
1206	67	a 5, 1 b	8.69	*01*,01	B
1457	13	d 4, 1 e	9.84	03,*02*	B
1508	60	k 2	11.97	A	Bde
1869	11	a 5, 2 b	8.64	04,*04*	B
1869	11	a 5, 2 b	8.64	04,*04*	B
1887	10	a 5, 2 b	8.64	04,*04*	B
1887	10	a 5, 1 b	8.69	*01*,01	B
1887	13	b 2, 1 c	9.01	*01*,01	B
1895	62	c 1, 2 d	9.24	*02*,03	B
1907	12	d 3, 1 e	9.80	*03*,02	B
1907	10	d 2, 1 e	9.74	*07*,08	B
1907	10	d 2, 3 e	9.64	03,*02*	Be
1909	60	d 4, 2 e	9.80	07,*08*	B
2229	10	f 1, 2 g	10.70	*18*,17	B
2243	*70*	c 2, 1 d	9.34	*02*,03	B
2245	*60*	c 3, 1 d	9.40	02,*03*	B
2251	*68*	c 1, 2 d	9.24	*02*,03	B
2271	*60*	a 5, 2 b	8.64	04,*04*	B
2298	*68*	a 5, 1 b	8.69	*01*,01	B
2305	*65*	a 4, 2 b	8.59	*01*,01	B
2591	10	f 3, 1 g	10.84	*12*,13	B
2617	10	h 2, 3 k	11.61	14,*14*	B
2678	12	e 3, 2 f	10.22	00,00	B
2971	*41*	a 3, 2 b	8.54	*06*,06	B
2972	10	a 3, 2 b	8.54	*06*,06	Be
2981	*60*	c 1, 3 d	9.20	02,*03*	B
3019	60	f 2	10.62	A	B
3026	10	f 1, 4 g	10.60	*08*,07	B
3247	10	f 2, 3 g	10.70	*08*,07	B
3287	22	k 2	11.97	A	B
3316	15	g 2, 1 h	11.36	*09*,09	Bp
3327	10	f 3, 2 g	10.80	*08*,07	B
3329	10	f 4, 2 g	10.84	*02*,03	B
3359	26	c 3, 2 d	9.34	08,*07*	B
3383	12	a 3, 2 b	8.54	*06*,06	B
3384	10	a 4, 3 b	8.54	04,*04*	B
3409	14	a 3, 2 b	8.54	*06*,06	B
3414	20	b 2, 3 c	8.91	09,*09*	B
3586	11	a 4, 3 b	8.54	04,*04*	B
3614	13	a 3, 2 b	8.54	*06*,06	B
3617	10	a 3, 2 b	8.54	*06*,06	B
3626	15	b 3, 2 c	9.01	09,*09*	B
3626	10	a 4, 3 b	8.54	04,*04*	Be
3635	20	b 3, 2 c	9.01	09,*09*	B
3636	24	b 3, 2 c	9.01	09,*09*	B
3643	20	c 2, 2 d	9.30	02,*03*	B
3652	10	c 2, 1 d	9.34	*02*,03	B
3656	17	d 1, 3 e	9.60	*03*,02	B
3672	17	e 2, 1 f	10.22	*10*,10	B
3673	10	e 2, 1 f	10.22	*10*,10	B
3684	8	f 1, 3 g	10.64	*12*,13	B
3689	12	f 3, 2 g	10.80	*08*,07	B
3691	10	f 3, 2 g	10.80	*08*,07	B
3702	11	f 3, 2 g	10.80	*08*,07	B
3713	12	g 3, 2 h	11.36	01,*01*	B
3728	10	h 2, 1 k	11.71	04,*04*	B
3729	10	k 2, 1 l	11.98	*01*,02	Bd
3738	10	g 2, 1 h	11.36	*09*,09	B
3751	14	f 3, 2 g	10.80	*08*,07	B
3762	13	f 1, 3 g	10.64	*12*,13	B
3762	12	f 3, 2 g	10.80	*08*,07	B
3762	15	e 2, 1 f	10.22	*10*,10	B
3786	11	c 2, 1 d	9.34	*02*,03	B
3789	11	c 2, 1 d	9.34	*02*,03	B
3833	10	a 3, 2 b	8.54	*06*,06	B
3834	10	a 4, 3 b	8.54	04,*04*	B
3846	12	a 4, 2 b	8.59	*01*,01	B
3946	10	h 2, 3 k	11.61	14,*14*	B
3960	13	g 1, 2 h	11.26	*09*,09	B
4009	13	d 2, 1 e	9.74	*07*,08	B
4012	*88*	c 3, 2 d	9.34	08,*07*	B
4013	*92*	d 2, 3 e	9.64	03,*02*	B
4013	13	d 1, 3 e	9.60	*03*,02	B
4021	*94*	c 3, 2 d	9.34	08,*07*	B
4022	12	c 1, 3 d	9.20	02,*03*	B
4035	10	b 1, 3 c	8.86	04,*04*	B
4038	10	a 3, 2 b	8.54	*06*,06	B
4041	*60*	a 3, 2 b	8.54	*06*,06	B
4055	10	a 3, 2 b	8.54	*06*,06	B
4070	12	a 3, 2 b	8.54	*06*,06	B

93. *151822*. RS LIBRAE.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4077	11	b 3, 2 c	9.01	09,*09*	B
4084	10	c 2, 1 d	9.34	*02*,03	B
4101	*60*	d 1	9.57	A	B
4105	10	e 2, 1 f	10.22	*10*,10	B
4108	10	e 2, 1 f	10.22	*10*,10	B
4111	17	f 2, 1 g	10.80	*18*,17	B
4147	10	k 2, 1 l	11.98	*01*,02	B
4147	10	k 4, 2 l	12.04	13,*14*	B
4181	10	k 2, 1 l	11.98	*01*,02	B
4327	10	d 3, 2 e	9.74	03,*02*	B
4382	10	k 2, N	*11.9*		B
4539	*92*	c 2, 1 d	9.34	*02*,03	B
4540	10	c 3, 2 d	9.34	08,*07*	Be
4545	10	d 3, 2 e	9.74	03,*02*	B
4778	10	e 3, 2 f	10.22	00,00	B
4832	10	g 1, 2 h	11.26	*09*,09	B
4841	10	f 3, 2 g	10.80	*08*,07	B
4847	12	f 3, 1 g	10.84	*12*,13	B
4861	63	e 2	10.12	A	B
4862	10	e 3, 2 f	10.22	00,00	B
4865	12	d 2, 3 e	9.64	03,*02*	B
4872	60	b 3, 1 c	9.06	04,*04*	B
4874	20	b 3, 2 c	9.01	09,*09*	B
4877	60	a 3, 1 b	8.59	*11*,11	B
4892	74	a 4, 2 b	8.59	*01*,01	B
4904	72	a 3, 3 b	8.49	*01*,01	B
4928	65	a 4, 2 b	8.59	*01*,01	B
5077	66	e 2, 1 f	10.22	*10*,10	Bi
5091	68	c 2, 1 d	9.34	*02*,03	B
5108	*60*	a 5, 2 b	8.64	04,*04*	B
5108	*60*	c 3, 2 d	9.34	08,*07*	B
5110	62	b 3, 2 c	9.01	09,*09*	B
5112	68	b 2, 3 c	8.91	09,*09*	B
5113	60	b 2, 4 c	8.86	14,*14*	B
5117	68	b 2, 3 c	8.91	09,*09*	B
5120	10	b 2, 3 c	8.91	09,*09*	B
5137	*63*	a 3, 1 b	8.59	*11*,11	B
5147	61	a 4, 2 b	8.59	*01*,01	B
5148	10	a 3, 2 b	8.54	*06*,06	B
5163	10	b 1	8.90	A	Be
5166	60	a 3, 1 b	8.59	*11*,11	B
5169	51	b 3, 2 c	9.01	09,*09*	B
5186	60	b 2, 1 c	9.01	*01*,01	B
5189	64	c 3, 1 d	9.40	02,*03*	B
5233	66	f 2, 1 g	10.80	*18*,17	Bi
5264	10	k 3, 2 l	11.98	09,*08*	Br
5500	60	f 4	10.82	A	B
5527	60	e 3	10.22	A	B
5530	10	e 3, 2 f	10.22	00,00	B
5532	60	d 2, 2 e	9.70	*03*,02	B
5541	10	d 2, 3 e	9.64	03,*02*	B
5542	60	c 3, 1 d	9.40	02,*03*	B
5544	102	c 3, 1 d	9.40	02,*03*	B
5547	65	c 1, 2 d	9.24	*02*,03	Bi
5548	60	c 2, 2 d	9.30	02,*03*	B
5552	60	b 3, 2 c	9.01	09,*09*	B
5560	60	a 3, 2 b	8.54	*06*,06	Be
5572	60	a 1, 5 b	8.29	*01*,01	Bi
5575	64	a 1, 5 b	8.29	*01*,01	B
5584	60	a 3, 2 b	8.54	*06*,06	B
5591	60	a 5, 3 b	8.59	09,*09*	B
5600	10	a 4, 2 b	8.59	*01*,01	B
5623	10	d 3, 1 e	9.80	*03*,02	B
5632	10	d 3, 2 e	9.74	03,*02*	B
5633	70	d 3, 2 e	9.74	03,*02*	B
5787	62	b 2, 2 c	8.96	04,*04*	B
5819	73	b 2, 1 c	9.01	*01*,01	B
5841	60	c 3, 3 d	9.30	12,*13*	B
5847	60	c 2, 0 d, 3 e	9.47	*15*,00, 15	B
5866	10	f 1, 3 g	10.64	*12*,13	B
5868	60	f 1, 3 g	10.64	*12*,13	B
5872	60	e 3, 1 f	10.27	*05*,05	B
5879	60	e 3	10.22	A	B
5899	60	g 3, 2 h	11.36	01,*01*	B
5938	60	f 3, 1 g	10.84	*12*,13	B
5939	60	f 3, 1 g	10.84	*12*,13	B
5940	60	g 2, 3 h	11.26	01,*01*	B
5956	60	f 1	10.52	A	B
5971	10	d 2, 2 e	9.70	*03*,02	B
5976	10	d 1, 3 e	9.60	*03*,02	B
6008	60	a 4, 2 b	8.59	*01*,01	B
6168	60	e 2, 1 f	10.22	*10*,10	B
6205	62	a 4, 1 b	8.64	*06*,06	B
6210	61	a 5, 1 b	8.69	*01*,01	B
6222	62	a 4, 1 b	8.64	*06*,06	B
6224	61	a 4, 2 b	8.59	*01*,01	Bi
6225	62	b 1, 3 c	8.86	04,*04*	B
6228	60	a 4, 3 b	8.54	04,*04*	B
6232	69	a 4, 2 b	8.59	*01*,01	B
6233	60	b 2, 2 c	8.96	04,*04*	B
6240	60	a 5, 1 b	8.69	*01*,01	B
6242	60	a 4, 1 b	8.64	*06*,06	B
6249	12	b 3, 4 c	8.91	19,*19*	Be
6253	60	b 4, 2 c	9.06	14,*14*	B
6261	90	c 3, 1 d	9.40	02,*03*	B
6264	61	b 3, 1 c	9.06	04,*04*	B
6268	10	b 3, 1 c	9.06	04,*04*	B
6298	60	e 3, 2 f	10.22	00,00	B
6313	60	f 3, 2 g	10.80	*08*,07	B
6324	66	f 4, 3 g	10.80	02,*03*	B
6359	11	g 3, 2 h	11.36	01,*01*	B
6376	63	f 3	10.72	A	B
6589	67	f 3	10.72	A	B
6594	10	e 3, 2 f	10.22	00,00	B
6603	10	d 2, 1 e	9.74	*07*,08	B
6604	60	d 1, 3 e	9.60	*03*,02	B
6608	60	b 3, 1 c	9.06	04,*04*	B
6612	30	d 2, 1 e	9.74	*07*,08	B
6622	69	b 3, 2 c	9.01	09,*09*	B
6625	60	b 2, 3 c	8.91	09,*09*	B
6638	69	a 5, 3 b	8.59	09,*09*	B
6644	60	a 4, 3 b	8.54	04,*04*	B
6645	60	a 4, 3 b	8.54	04,*04*	B
6652	10	a 4, 2 b	8.59	*01*,01	B
6662	10	b 1, 2 c	8.91	*01*,01	B
6664	64	a 4, 2 b	8.59	*01*,01	B
6685	11	d 2, 3 e	9.64	03,*02*	B
6691	75	c 3, 1 d	9.40	02,*03*	B
6707	60	e 2, 4 f	10.07	05,*05*	B
6868	63	b 2, 3 c	8.91	09,*09*	B
6905	*68*	c 3, 1 d	9.40	02,*03*	Be
6909	60	d 1, 3 e	9.60	*03*,02	B
6915	65	d 2, 3 e	9.64	03,*02*	B
6918	64	d 3, 2 e	9.74	03,*02*	B
6922	62	e 2, 2 f	10.17	*05*,05	B
6935	*60*	f 1, 2 g	10.70	*18*,17	B
6943	63	f 3, 1 g	10.84	*12*,13	B
6958	10	g 2, 1 h	11.36	*09*,09	B
6979	62	h 1	11.65	A	B
6988	60	g 2, 1 h	11.36	*09*,09	B
7009	60	f 3, 1 g	10.84	*12*,13	B
7032	70	e 2, 3 f	10.12	00,00	B
7076	11	a 3, 1 b	8.59	*11*,11	B
7077	10	b 2, 3 c	8.91	09,*09*	B
7077	60	b 1, 3 c	8.86	04,*04*	B
7080	10	a 4, 2 b	8.59	*01*,01	B
7097	63	a 4, 2 b	8.59	*01*,01	B
7098	10	b 2, 3 c	8.91	09,*09*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
96. *152714.* RU Librae.						96. *152714.* RU Librae.						96. *152714.* RU Librae.					
	m.						m.						m.				
0696	16	m 2, N	*12.3*		F	3691	11	a 3, 3 b	8.55	05,*05*	B	4382	10	k 3, 2 l	11.47	03,*03*	B
0775	*27*	g 3, 1 h	10.77	*01*,01	F	3694	19	a 2, 2 b	8.55	*05*,05	B	4419	17	m 1, N	*12.2*		B
1158	64	a 2, 3 b	8.50	00,00	B	3702	12	c 2, 2 d	9.31	*01*,01	B	4548	10	d 2, 2 e	9.67	05,*05*	B
1196	10	e 2, 2 f	9.97	05,*05*	B	3709	10	e 1, 2 f	9.92	00,00	B	4549	10	c 3, 2 d	9.36	04,*04*	B
1567	14	k 2, N	*11.4*		F	3709	10	d 2, 1 e	9.72	00,00	B	4778	10	l 2, N	*11.8*		B
1869	10	l 2, N	*11.8*		F	3710	13	d 2, 2 e	9.67	05,*05*	B	4832	12	h 3, 2 k	11.09	09,*09*	B
1907	10	l 3, N	*11.9*		F	3713	10	d 2, 2 e	9.67	05,*05*	B	4841	15	g 2, 1 h	10.72	*06*,06	B
2229	10	g 3, N	*10.7*		F	3713	11	e 2, 2 f	9.97	05,*05*	B	4848	60	h 1, 2 k	10.99	*01*,01	B
2591	10	l 2, N	*11.8*		F	3724	11	e 3	10.12	A	B	4862	10	g 3, 2 h	10.72	04,*04*	B
2672	10	g 3, 2 h	10.72	04,*04*	F	3727	12	g 1, 2 h	10.62	*06*,06	B	4872	60	e 2, 1 f	10.02	00,00	B
2672	10	g 3, 2 h	10.72	04,*04*	B	3729	20	g 2, 3 h	10.62	04,*04*	B	4874	20	d 2, 2 e	9.67	05,*05*	B
“	“	g 1, 2 h	10.62	*06*,06	F	3738	10	g 3	10.76	A	B	4877	*64*	d 3, 1 e	9.77	05,*05*	B
2685	*60*	c 3, 1 d	9.41	*01*,01	B	3743	10	k 2, 3 l	11.37	03,*03*	B	4892	74	c 3, 2 d	9.36	04,*04*	B
2972	10	k 3, 2 l	11.47	03,*03*	B	3744	61	h 1, 2 k	10.99	*01*,01	B	4904	72	a 4, 2 b	8.65	05,*05*	B
3026	10	c 1, 2 d	9.26	*06*,06	B	3762	13	l 2, 3 m	11.84	00,00	B	4912	10	a 3, 1 b	8.65	*05*,05	B
3305	*75*	1 d	9.42	A	Bde	3789	10	m 2, N	*12.3*		B	5120	10	l 3, 2 m	11.94	00,00	B
3316	*60*	c 3, 2 d	9.36	04,*04*	B	3937	10	f 3, 2 g	10.34	08,*08*	B	5133	60	m 1, N	*12.2*		B
3316	*60*	c 3, 1 d	9.41	*01*,01	B	3946	12	e 1, 2 f	9.92	00,00	B	5172	61	e 3, 1 f	10.07	05,*05*	B
3301	*62*	c 2	9.30	A	Be	3946	11	d 1, 2 e	9.62	00,00	B	5189	64	e 2, 2 f	9.97	05,*05*	Bd
3325	10	a 3, 3 b	8.55	05,*05*	B	3960	12	c 1, 2 d	9.26	*06*,06	B	5198	63	d 2, 3 e	9.62	10,*10*	B
3327	*67*	b 3, 3 c	8.95	15,*15*	B	3960	10	c 1, 3 d	9.21	*01*,01	Bd	5202	*62*	c 3, 2 d	9.36	04,*04*	B
3327	*60*	b 1, 2 c	8.90	00,00	F	3964	10	a 3, 2 b	8.60	00,00	B	5202	*73*	b 3	9.10	A	Be
“	“	b 3, 2 c	9.00	10,*10*	B	3972	16	a 3, 2 b	8.60	00,00	B	5220	60	a 4, 3 b	8.60	10,*10*	B
3327	10	a 3, 2 b	8.60	00,00	B	3980	10	a 3, 2 b	8.60	00,00	B	5221	61	a 2, 3 b	8.50	00,00	B
3329	10	a 3, 2 b	8.60	00,00	B	3988	12	a 3, 2 b	8.60	00,00	B	5233	66	a 3, 3 b	8.55	05,*05*	Bi
3338	*60*	b 2	9.00	A	Be	3990	10	a 4, 2 b	8.65	05,*05*	B	5264	10	c 2, 1 d	9.36	*06*,06	B
3352	12	a 2, 2 b	8.55	*05*,05	B	3994	71	a 2, 2 b	8.55	*05*,05	B	5264	68	c 3, 2 d	9.36	04,*04*	B
3359	11	a 2, 3 b	8.50	00,00	F	3996	64	a 2, 1 b	8.60	*10*,10	B	5266	10	c 2, 1 d	9.36	*06*,06	B
3361	*69*	a 3, 2 b	8.60	00,00	B	3998	63	b 2, 1 c	9.00	00,00	B	5266	10	c 2, 2 d	9.31	*01*,01	B
3362	12	a 1, 3 b	8.45	*05*,05	F	4009	13	b 3	9.10	A	Be	5274	63	c 4, 2 d	9.41	09,*09*	B
3363	21	a 2, 2 b	8.55	*05*,05	F	4012	88	c 3, 2 d	9.36	04,*04*	B	5442	60	k 2, N	*11.4*		B
3365	14	a 4, 1 b	8.70	00,00	F	4013	12	c 3, 2 d	9.36	04,*04*	B	5490	60	f 2, 1 g	10.34	*02*,02	B
3384	10	a 3, 2 b	8.60	00,00	B	4013	15	d 2, 2 e	9.67	05,*05*	B	5500	60	e 2, 2 f	9.97	05,*05*	B
3413	10	g 3, 2 h	10.72	04,*04*	B	4013	12	c 3, 2 d	9.36	04,*04*	B	5502	69	f 2, 2 g	10.29	03,*03*	B
3586	13	g 3, 2 h	10.72	04,*04*	B	4022	12	f 3, 2 g	10.34	08,*08*	B	5512	72	d 2, 2 e	9.67	05,*05*	B
3614	14	e 1, 3 f	9.87	05,*05*	B	4024	10	e 2, 1 f	10.02	00,00	B	5518	46	c 3, 4 d	9.26	14,*14*	B
3617	11	d 3, 2 e	9.72	10,*10*	B	4035	11	g 3, 2 h	10.72	04,*04*	B	5521	97	a 3, 3 b	8.55	05,*05*	B
3636	15	a 2, 3 b	8.50	00,00	B	4036	10	g 2, 2 h	10.67	*01*,01	B	5526	60	a 3, 3 b	8.55	05,*05*	B
3642	10	a 3, 3 b	8.55	05,*05*	B	4036	19	g 1, 2 h	10.62	*06*,06	B	5527	60	a 3, 4 b	8.50	10,*10*	B
3643	10	a 3, 3 b	8.55	05,*05*	B	4038	11	g 1, 3 h	10.57	*01*,01	B	5528	60	a 1, 2 b	8.50	*10*,10	B
3661	13	a 1, 3 b	8.45	*05*,05	B	4055	10	k 3, 2 l	11.47	03,*03*	B	5530	10	a 3, 3 b	8.55	05,*05*	B
3666	*60*	a 3, 3 b	8.55	05,*05*	B	4085	10	l 3, 3 m	11.89	05,*05*	B	5532	60	a 3, 3 b	8.55	05,*05*	B
3672	26	a 1, 2 b	8.50	*10*,10	B	4108	11	l 3, N	*11.9*		B	5541	10	a 2, 3 b	8.50	00,00	B
3673	10	a 3, 3 b	8.55	05,*05*	B	4154	61	l 2, 2 m	11.89	*05*,05	B	5542	65	a 1, 4 b	8.40	00,00	Bi
3684	8	a 3, 2 b	8.60	00,00	B	4183	10	l 3, N	*11.9*		B	5542	60	a 2, 4 b	8.45	05,*05*	B
3689	10	a 3, 2 b	8.60	00,00	B	4298	11	c 2, 3 d	9.26	04,*04*	B	5544	102	a 3, 4 b	8.50	10,*10*	B
3691	12	a 3, 3 b	8.55	05,*05*	B	4327	13	e 2, 2 f	9.97	05,*05*	B	5547	65	a 3, 3 b	8.55	05,*05*	B

96. *152714*. RU Librae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5548	60	a 3, 4 b	8.50	10,*10*	B
5552	60	a 3, 3 b	8.55	05,*05*	B
5554	92	a 1, 3 b	8.45	*05*,05	B
5571	63	a 3, 2 b	8.60	00,00	B
5572	60	a 5, 2 b	8.70	10,*10*	B
5575	64	c 2, 1 d	9.36	*06*,06	Br
5591	60	c 3, 2 d	9.36	04,*04*	B
5631	11	k 2, 2 l	11.42	*02*,02	B
5787	62	f 2, N	*10.3*		B
5819	73	c 3, 2 d	9.36	04,*04*	B
5841	60	a 3, 4 b	8.50	10,*10*	B
5847	60	a 1, 3 b	8.45	*05*,05	B
5854	10	a 3, 3 b	8.55	05,*05*	Be
5854	51	a 2, 4 b	8.45	05,*05*	B
5858	57	a 2, 4 b	8.45	05,*05*	B
5866	10	a 3, 3 b	8.55	05,*05*	B
5868	60	a 2, 4 b	8.45	05,*05*	B
5869	10	a 3, 3 b	8.55	05,*05*	Be
5872	60	a 3, 3 b	8.55	05,*05*	B
5879	60	a 3, 4 b	8.50	10,*10*	B
5881	51	a 3, 3 b	8.55	05,*05*	B
5883	87	a 3, 3 b	8.55	05,*05*	B
5885	60	a 3, 2 b	8.60	00,00	B
5885	10	b 1, 2 c	8.90	00,00	Be
5887	60	a 2, 3 b	8.50	00,00	B
5897	60	c 3, 4 d	9.26	14,*14*	B
5897	60	c 2, 3 d	9.26	04,*04*	B
5910	92	e 1, 1 f	9.97	*05*,05	B
5911	60	e 2, 3 f	9.92	10,*10*	B
5915	62	e 2, 2 f	9.97	05,*05*	B
5926	60	g 2, 1 h	10.72	*06*,06	B
5928	40	f 2	10.32	A	B
5934	60	f 1	10.22	A	B
5942	60	g 2, 1 h	10.72	*06*,06	B
5971	10	l 3, 3 m	11.89	05,*05*	B
6008	60	g 2, N	*10.6*		B
6115	17	f 2, 2 g	10.29	03,*03*	B
6166	60	a 1, 3 b	8.45	*05*,05	B
6168	60	a 1, 4 b	8.40	00,00	B
6185	66	a 1, 3 b	8.45	*05*,05	B
6205	62	a 5, 2 b	8.70	10,*10*	B
6210	61	a 4, 2 b	8.65	05,*05*	B
6222	62	d 2, 1 e	9.72	00,00	B
6224	61	c 2, 3 d	9.26	04,*04*	Bi
6225	62	c 3, 3 d	9.31	09,*09*	B
6240	60	f 2, 1 g	10.34	*02*,02	B
6249	10	g 2, 1 h	10.72	*06*,06	B
	m.				
6268	10	k 2	11.40	A	B
6359	10	m 1, N	*12.2*		B
6527	90	c 2, 2 d	9.31	*01*,01	B
6531	63	c 2, 1 d	9.36	*06*,06	B
6548	61	e 3, 2 f	10.02	10,*10*	B
6549	57	e 2, 1 f	10.02	00,00	B
6556	82	g 1, 2 h	10.62	*06*,06	B
6603	10	l 2, 3 m	11.84	00,00	B
6612	30	m 2, N	*12.3*		B
6613	120	l 3, 2 m	11.94	00,00	B
6662	11	m 1, N	*12.2*		B
6958	10	m 1, N	*12.2*		B
6990	*89*	e 1	9.92	A	B
7077	60	g 2, 1 h	10.72	*06*,06	B

97. 153378. S Ursae Minoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1436	24	h 1, 3 k	11.41	*01*,01	F
1608	27	b 1, 5 c	8.54	04,*04*	F
1640	17	b 3, 2 c	8.79	*01*,01	F
"	"	b 2, 3 c	8.69	*01*,01	F
1642	15	a 3, 1 b	8.33	*05*,05	F
"	"	b 1, 4 c	8.59	*01*,01	F
1682	10	c 4, 2 d	9.38	02,*03*	F
1847	*60*	c 2, 1 d	9.32	*12*,13	B
1847	*71*	c 2, 2 d	9.28	*08*,07	B
1930	11	a 4, 0 b, 6 c	8.42	*04*,06, *02*	F
2200	36	c 4, 2 d	9.38	02,*03*	F
2228	16	b 3, 3 c	8.74	04,*04*	B
"	"	c 1, 3 d	9.18	*08*,07	B
2228	13	c 3, 2 d	9.32	*02*,03	B
2228	21	b 3, 3 c	8.74	04,*04*	B
"	"	c 2, 3 d	9.22	*02*,03	B
2691	13	d 3, 1 e	9.90	*05*,05	F
"	"	d 3, 2 e	9.85	00,00	B
2691	13	d 2, 2 e	9.80	*05*,05	B
2691	11	d 3, 2 e	9.85	00,00	F
2702	15	e 3, 2 f	10.32	03,*02*	F
2915	12	a 2, 1 b	8.28	*10*,10	B
2998	14	b 4	8.88	A	Be
3058	10	g 3, 2 h	11.15	05,*05*	F
3113	10	g 1	11.00	A	B
3113	10	g 2, 2 h	11.10	00,00	B
3119	12	g 4, 0 h, 5 k	11.27	03,03, *05*	F
	m.				
3143	15	f 1, 3 g	10.60	00,00	F
3145	10	f 2, 2 g	10.70	00,00	F
3145	10	e 4, 0 f, 4 g	10.48	*03*,02, 02	F
3166	*60*	c 2	9.20	A	Be
3182	*60*	c 2, 2 d	9.28	*08*,07	B
3185	*61*	c 2, 1 d	9.32	*12*,13	B
3192	*68*	b 5, 0 c, 5 d	9.01	*03*,*01*, 04	F
3195	*76*	b 5, 0 c, 5 d	9.01	*03*,*01*, 04	F
3196	*75*	b 4, 1 c	8.89	*01*,01	F
3307	15	c 2, 2 d	9.28	*08*,07	F
3309	16	c 5, 1 d	9.48	02,*03*	F
3315	11	c 5, 1 d	9.48	02,*03*	F
3316	12	c 1, 2 d	9.22	*12*,13	F
3316	13	b 3, 2 c	8.79	*01*,01	B
"	"	c 1, 2 d	9.22	*12*,13	B
3316	10	c 3	9.30	A	Be
3316	13	b 3, 2 c	8.79	*01*,01	B
"	"	c 1, 2 d	9.15	*12*,13	B
3317	10	c 3, 2 d	9.32	*02*,03	F
3320	12	c 5, 1 d	9.48	02,*03*	F
3321	20	c 5, 1 d	9.48	02,*03*	F
3330	10	c 3, 2 d	9.32	*02*,03	B
3330	10	c 3	9.30	A	Be
3330	13	c 4, 1 d	9.42	*02*,03	F
3336	15	d 2, 2 e	9.80	*05*,05	F
3337	13	d 1, 3 e	9.70	*05*,05	F
3343	10	d 4, 0 e, 5 f	10.00	*05*,05, 00	F
3343	10	c 3, 3 d	9.28	02,*03*	B
"	"	d 1, 3 e	9.70	*05*,05	B
3352	27	e 2, 2 f	10.28	*03*,02	F
3359	17	e 4, 1 f	10.42	03,*02*	F
3362	14	e 3, 1 f	10.38	*03*,02	F
3363	19	e 4, 1 f	10.42	03,*02*	F
3377	14	g 3, 2 h	11.15	05,*05*	B
3387	13	g 2, 2 h	11.10	00,00	B
3398	17	g 3, 2 h	11.15	05,*05*	B
3401	32	h 1, 2 k	11.46	*06*,06	B
3401	14	h 3, 2 k	11.56	04,*04*	B
3401	14	h 1, 1 k	11.51	*11*,11	B
3404	14	h 2, 1 k	11.56	*06*,06	B
3408	10	h 1, 2 k	11.46	*06*,06	B
3411	11	h 1, 2 k	11.46	*06*,06	B
3422	12	h 3, 2 k	11.56	04,*04*	B

97. 153378. S URSAE MINORIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3438	14	k 1	11.82	A	B
3457	25	g 2, 2 h	11.10	00,00	B
3469	9	e 3, 3 f	10.28	07,*08*	B
3472	10	e 2, 3 f	10.22	03,*02*	B
3475	23	e 2, 4 f	10.18	07,*08*	B
3495	19	b 2, 1 c	8.79	*11*,11	B
3495	18	c 3, 3 d	9.28	02,*03*	B
3497	18	b 2, 1 c	8.79	*11*,11	B
3514	18	b 3, 2 c	8.79	*01*,01	B
3525	10	b 2, 3 c	8.69	*01*,01	B
3526	10	c 2, 3 d	9.22	*02*,03	B
"	"	b 2, 2 c	8.74	*06*,06	B
3528	14	b 3, 2 c	8.79	*01*,01	B
3531	16	b 2, 1 c	8.79	*11*,11	Bd
3542	10	b 3, 3 c	8.74	04,*04*	B
3544	11	b 2, 3 c	8.69	*01*,01	B
3547	10	b 2, 3 c	8.69	*01*,01	B
3548	10	b 2, 3 c	8.69	*01*,01	B
3550	17	b 2, 3 c	8.69	*01*,01	B
3560	10	b 2, 2 c	8.74	*06*,06	B
3586	14	b 1, 2 c	8.69	*11*,11	B
3587	12	a 2, 2 b	8.23	*05*,05	B
"	"	b 2, 3 c	8.69	*01*,01	B
3589	10	a 2, 1 b	8.28	*10*,10	B
"	"	b 2, 3 c	8.69	*01*,01	B
3606	*60*	b 2, 3 c	8.69	*01*,01	B
3610	10	b 2, 2 c	8.74	*06*,06	Bd
3611	*60*	b 3, 2 c	8.79	*01*,01	B
3612	16	b 1, 2 c	8.69	*11*,11	B
3617	10	b 3, 3 c	8.74	04,*04*	B
3617	12	b 2, 3 c	8.69	*01*,01	B
3624	*69*	b 2, 2 c	8.74	*06*,06	B
3643	12	c 1, 3 d	9.18	*08*,07	B
3646	16	c 2, 3 d	9.22	*02*,03	B
3650	10	c 3, 3 d	9.28	02,*03*	B
3652	10	c 3, 2 d	9.32	*02*,03	B
3659	*69*	c 2, 2 d	9.28	*08*,07	B
3665	19	d 1, 2 e	9.75	*10*,10	B
3672	11	d 2, 3 e	9.75	00,00	B
3705	9	f 3, 2 g	10.75	05,*05*	B
3710	15	g 3, 2 h	11.15	05,*05*	B
3730	12	g 3, 2 h	11.15	05,*05*	B
3730	10	g 3, 2 h	11.15	05,*05*	B
3759	11	h 2, 2 k	11.51	*01*,01	B
3762	13	g 2, 2 h	11.10	00,00	B
3789	17	d 2, 2 e	9.80	*05*,05	B
3789	17	d 2, 2 e	9.80	*05*,05	B
3810	69	c 2, 3 d	9.22	*02*,03	B
3818	13	b 3, 3 c	8.74	04,*04*	B
"	"	c 1, 2 d	9.22	*12*,13	B
3826	29	c 2, 3 d	9.22	*02*,03	B
3855	10	b 3, 2 c	8.79	*01*,01	B
3855	12	b 3, 3 c	8.74	04,*04*	B
3878	11	b 2, 3 c	8.69	*01*,01	B
3878	12	b 3, 2 c	8.79	*01*,01	B
3907	10	b 2, 3 c	8.69	*01*,01	B
3907	10	a 2, 1 b	8.28	*10*,10	B
"	"	b 1, 2 c	8.69	*11*,11	B
3911	15	b 2, 3 c	8.69	*01*,01	B
3913	12	b 3, 2 c	8.79	*01*,01	B
3935	18	b 3, 3 c	8.74	04,*04*	B
3937	11	b 3, 3 c	8.74	04,*04*	B
3972	11	d 2, 2 e	9.80	*05*,05	B
3979	36	d 1, 2 e	9.75	*10*,10	B
3979	20	d 1, 3 e	9.70	*05*,05	B
3995	14	e 2, 3 f	10.22	03,*02*	B
3996	14	e 2, 3 f	10.22	03,*02*	B
4026	22	g 2, 3 h	11.05	05,*05*	B
4030	13	g 3, 3 h	11.10	10,*10*	B
4032	10	g 2, 2 h	11.10	00,00	B
4064	25	k 1	11.82	A	B
4064	14	k 3	12.02	A	B
4087	10	g 2, 2 h	11.10	00,00	B
"	"	h 1, 2 k	11.46	*06*,06	B
4087	10	k 1	11.82	A	B
4092	10	h 1, 2 k	11.46	*06*,06	B
4107	48	g 2, 2 h	11.10	00,00	B
4114	10	f 1, 2 g	10.65	*05*,05	B
4115	10	f 1, 2 g	10.65	*05*,05	B
4142	10	d 3, 2 e	9.85	00,00	B
4142	14	d 2, 3 e	9.75	00,00	B
4143	13	d 2, 3 e	9.75	00,00	B
4154	30	c 3, 2 d	9.32	*02*,03	B
4177	12	b 3, 2 c	8.79	*01*,01	B
4206	10	b 2, 3 c	8.69	*01*,01	B
4213	13	b 3, 2 c	8.79	*01*,01	B
4235	10	b 2, 2 c	8.74	*06*,06	B
4271	15	c 1, 3 d	9.18	*08*,07	B
4298	17	c 2, 2 d	9.28	*08*,07	B
4322	20	c 2, 1 d	9.32	*12*,13	B
4350	23	e 3, 2 f	10.32	03,*02*	B
4355	22	e 2, 3 f	10.22	03,*02*	B
4355	10	f 2, 3 g	10.65	05,*05*	Be
4357	48	f 3, 3 g	10.70	10,*10*	B
4357	12	f 2, 3 g	10.65	05,*05*	B
4358	22	f 3, 2 g	10.75	05,*05*	B
4424	11	e 2, 3 f	10.22	03,*02*	B
4448	20	d 1, 3 e	9.70	*05*,05	B
4615	14	c 3, 3 d	9.28	02,*03*	B
4674	156	d 3, 2 e	9.85	00,00	B
4700	60	g 1, 1 h	11.10	*10*,10	B
4700	60	g 2, 2 h	11.10	00,00	B
4708	61	f 3, 2 g	10.75	05,*05*	B
4738	68	f 3	10.80	A	B
4767	64	e 2, 2 f	10.28	*03*,02	B
4767	77	e 1, 2 f	10.18	*13*,12	Bd
4773	10	d 2	9.75	A	Bp
4800	205	c 3, 2 d	9.32	*02*,03	B
4806	69	c 3, 3 d	9.28	02,*03*	B
4825	16	b 3, 2 c	8.79	*01*,01	B
4827	13	c 2, 4 d	9.18	02,*03*	B
4839	*74*	c 2, 2 d	9.28	*08*,07	B
4863	129	b 2, 1 c	8.79	*11*,11	B
4874	72	b 3, 3 c	8.74	04,*04*	B
4875	*80*	b 3, 2 c	8.79	*01*,01	B
4910	10	c 2, 3 d	9.22	*02*,03	B
"	"	b 4, 2 c	8.84	04,*04*	B
4912	61	c 3, 4 d	9.22	08,*07*	B
4912	10	b 3, 2 c	8.79	*01*,01	B
4912	10	b 4	8.88	A	Be
4913	60	c 3, 3 d	9.28	02,*03*	B
4913	61	b 3, 2 c	8.79	*01*,01	B
4913	61	c 3, 4 d	9.22	08,*07*	B
4979	70	d 3, 2 e	9.85	00,00	B
4983	76	d 2, 3 e	9.75	00,00	Bi
5009	91	f 2, 2 g	10.70	00,00	B
5013	64	e 3, 2 f	10.32	03,*02*	B
5024	69	d 2, 2 e	9.80	*05*,05	B
5028	74	d 2,	9.75	A	Bp
5071	64	d 1, 2 e	9.75	*10*,10	B
5076	60	d 3, 2 e	9.85	00,00	B
5090	61	d 2, 3 e	9.75	00,00	B
5095	66	c 3, 2 d	9.32	*02*,03	B
5096	66	e 3	9.35	A	B
5112	82	c 3, 3 d	9.28	02,*03*	B
5113	65	c 3, 4 d	9.22	08,*07*	B
5118	201	b 3, 3 c	8.74	04,*04*	B
5129	*62*	b 3, 2 c	8.79	*01*,01	B
5130	60	c 3, 4 d	9.22	08,*07*	B
5147	85	b 3, 2 c	8.79	*01*,01	B
5147	47	c 3, 3 d	9.28	02,*03*	B

97. 153378. S Ursae Minoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5147	47	b 3, 2 c	8.79	*01*,01	Br
5151	79	b 3, 2 c	8.79	*01*,01	B
5180	90	b 2, 3 c	8.69	*01*,01	B
5181	62	b 2, 4 c	8.64	04,*04*	B
5191	70	b 3, 3 c	8.74	04,*04*	B
5192	70	b 2, 3 c	8.69	*01*,01	B
5192	75	b 2, 3 c	8.69	*01*,01	B
5203	72	a 2, 1 b	8.28	*10*,10	B
5218	70	b 3, 3 c	8.74	04,*04*	B
5218	138	b 3, 2 c	8.79	*01*,01	B
5235	*70*	b 3, 2 c	8.79	*01*,01	B
5261	81	b 4, 2 c	8.84	04,*04*	B
5266	22	c 3, 2 d	9.32	*02*,03	B
5270	60	d 2, 2 e	9.80	*05*,05	B
5277	185	d 2, 2 e	9.80	*05*,05	B
5297	73	d 2, 2 e	9.80	*05*,05	B
5374	110	g 2, 2 h	11.10	00,00	B
5376	135	g 2, 1 h	11.15	*05*,05	B
5383	64	f 2	10.70	A	B
"	"	g 2, 1 h	11.15	*05*,05	B
5392	54	g 3	11.20	A	B
5405	125	d 3, 3 e	9.80	05,*05*	B
5414	63	e 3, 2 f	10.32	03,*02*	B
5423	72	d 2, 2 e	9.80	*05*,05	B
5427	67	d 2, 1 e	9.85	*10*,10	B
5450	61	c 4, 2 d	9.38	02,*03*	B
5461	68	c 4, 3 d	9.32	08,*07*	B
5471	83	c 3, 3 d	9.28	02,*03*	B
5488	104	b 3, 1 c	8.84	*06*,06	B
5501	131	b 3, 2 c	8.79	*01*,01	B
5502	77	b 3, 2 c	8.79	*01*,01	B
5508	63	b 4, 2 c	8.84	04,*04*	B
5509	83	b 3, 3 c	8.74	04,*04*	B
5512	84	b 3, 2 c	8.79	*01*,01	B
5513	80	b 3, 3 c	8.74	04,*04*	B
5521	83	b 3, 3 c	8.74	04,*04*	B
5530	23	b 3, 3 c	8.74	04,*04*	Bi
5539	80	b 3, 3 c	8.74	04,*04*	B
5540	75	b 2, 3 c	8.69	*01*,01	B
5544	89	b 3, 3 c	8.74	04,*04*	B
5544	62	b 1, 3 c	8.64	*06*,06	B
5549	82	b 4, 2 c	8.84	04,*04*	B
5549	57	b 3, 2 c	8.79	*01*,01	B
5553	62	b 3, 2 c	8.79	*01*,01	B
5566	73	c 3, 2 d	9.32	*02*,03	B
5579	41	c 3, 1 d	9.38	*08*,07	B
5586	91	c 4, 2 d	9.38	02,*03*	B

97. 153378. S Ursae Minoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5599	33	c 3, 2 d	9.32	*02*,03	B
5605	20	d 2, 3 e	9.75	00,00	B
5606	32	d 2, 2 e	9.80	*05*,05	B
5623	26	e 3, 3 f	10.28	07,*08*	B
5627	59	e 2, 2 f	10.28	*03*,02	B
5636	65	e 2, 2 f	10.28	*03*,02	B
5636	71	d 3, 2 e	9.85	00,00	B
5659	68	f 1	10.60	A	B
5663	68	f 3	10.80	A	B
"	"	e 3, 1 f	10.38	*03*,02	B
5695	60	g 3, 2 h	11.15	05,*05*	B
5709	63	g 2, 2 h	11.10	00,00	B
5710	60	g 1	11.00	A	Bd
5730	70	f 2, 2 g	10.70	00,00	B
5749	60	e 3, 3 f	10.28	07,*08*	B
5749	67	e 3, 2 f	10.32	03,*02*	B
5753	68	e 2, 3 f	10.22	03,*02*	B
5754	39	d 2, 3 e	9.75	00,00	B
5774	123	c 3, 2 d	9.32	*02*,03	B
5775	79	c 3, 3 d	9.28	02,*03*	B
5780	81	c 3, 3 d	9.28	02,*03*	B
5787	75	c 1, 4 d	9.12	*02*,03	B
5789	60	c 4, 2 d	9.38	02,*03*	B
5790	61	c 2, 3 d	9.22	*02*,03	B
5791	57	c 1, 2 d	9.22	*12*,13	B
5800	88	b 3, 3 c	8.74	04,*04*	B
5800	77	b 3, 3 c	8.74	04,*04*	B
5815	118	b 3, 3 c	8.74	04,*04*	B
5823	66	b 3, 3 c	8.74	04,*04*	B
5842	104	b 2, 1 c	8.79	*11*,11	B
5843	86	b 3, 3 c	8.74	04,*04*	B
5843	77	b 3, 2 c	8.79	*01*,01	B
5854	56	b 2, 3 c	8.69	*01*,01	B
5857	66	b 2, 3 c	8.69	*01*,01	B
5857	111	b 3, 2 c	8.79	*01*,01	B
5858	111	b 3, 3 c	8.74	04,*04*	B
5858	66	b 2, 3 c	8.69	*01*,01	B
5859	113	b 3, 3 c	8.74	04,*04*	B
5871	71	c 2, 4 d	9.18	02,*03*	B
5873	57	b 3, 2 c	8.79	*01*,01	B
5880	69	b 3, 1 c	8.84	*06*,06	B
5880	39	c 3, 4 d	9.22	08,*07*	B
5885	76	c 3, 4 d	9.22	08,*07*	B
5887	60	c 2, 3 d	9.22	*02*,03	Bd
5887	75	c 4, 3 d	9.32	08,*07*	B
5888	134	c 3, 3 d	9.28	02,*03*	B
5915	60	d 3, 2 e	9.85	00,00	B

97. 153378. S Ursae Minoris.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5918	62	c 4, 2 d	9.38	02,*03*	B
5918	65	d 2, 3 e	9.75	00,00	Be
5921	62	d 1	9.65	A	Bp
5924	27	d 2, 3 e	9.75	00,00	B
5928	64	d 3, 3 e	9.80	05,*05*	B
5929	60	c 4, 1 d	9.42	*02*,03	B
5929	10	d 1, 2 e	9.75	*10*,10	B
5942	88	c 4, 2 d	9.38	02,*03*	Be
5944	63	e 2, 3 f	10.22	03,*02*	B
5969	94	g 3	11.20	A	B
5971	90	g 1	11.00	A	B
5974	87	g 2, 2 h	11.10	00,00	B
5975	70	g 2	11.10	A	B
5978	64	f 1	10.60	A	B
5978	10	f 3, 3 g	10.70	10,*10*	B
5979	16	e 3, 3 f	10.28	07,*08*	B
"	"	f 1, 2 g	10.65	*05*,05	B
5988	63	g 2, 1 h	11.15	*05*,05	B
6001	66	f 3, 1 g	10.80	00,00	B
6032	11	h 3, 2 k	11.56	04,*04*	B
6043	142	g 1	11.00	A	B
6044	100	g 2, 2 h	11.10	00,00	B
6044	72	g 1, 2 h	11.05	*05*,05	B
6046	71	g 3, 1 h	11.20	00,00	B
6048	75	f 3, 2 g	10.75	05,*05*	B
6052	76	f 2, 1 g	10.75	*05*,05	B
6052	88	g 2	11.10	A	B
"	"	f 3, 1 g	10.80	00,00	B
6052	79	e 3, 2 f	10.32	03,*02*	B
6054	110	e 3, 2 f	10.32	03,*02*	B
6055	68	e 3, 3 f	10.28	07,*08*	B
6063	91	e 2, 3 f	10.22	03,*02*	B
6073	94	c 4, 1 d	9.42	*02*,03	B
6075	65	c 4, 2 d	9.38	02,*03*	B
6076	68	c 5, 2 d	9.42	08,*07*	B
6081	57	c 5, 2 d	9.42	08,*07*	B
6092	61	c 4, 3 d	9.32	08,*07*	B
6093	63	c 4, 3 d	9.32	08,*07*	B
6102	104	c 2, 3 d	9.22	*02*,03	B
6104	60	c 2, 4 d	9.18	02,*03*	B
6107	49	c 2, 4 d	9.18	02,*03*	B
6108	63	c 3, 4 d	9.22	08,*07*	B
6115	70	c 4, 3 d	9.32	08,*07*	B
6115	91	c 2, 2 d	9.28	*08*,07	B
6124	68	c 2, 3 d	9.22	*02*,03	B
6133	63	c 3, 4 d	9.22	08,*07*	Be
6139	60	b 5, 2 c	8.89	09,*09*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
97. 153378. S URSAE MINORIS.					
	m.				
6156	59	b 2, 3 c	8.69	*01*,01	B
6159	73	b 3, 2 c	8.79	*01*,01	B
6163	72	b 1, 3 c	8.64	*06*,06	B
6179	33	b 3, 3 c	8.74	04,*04*	B
6191	60	b 3, 3 c	8.74	*04*,04	B
6191	64	b 3, 3 c	8.74	*04*,04	B
6193	40	b 3, 3 c	8.74	04,*04*	B
6206	61	b 2, 3 c	8.69	*01*,01	B
6215	70	c 3, 3 d	9.28	02,*03*	B
6215	79	c 3, 3 d	9.28	02,*03*	Be
6215	35	b 3, 3 c	8.74	04,*04*	B
6216	60	c 2	9.20	A	Bp
6217	68	b 3, 2 c	8.79	*01*,01	B
6222	75	c 2, 4 d	9.18	02,*03*	B
6225	70	c 3, 4 d	9.22	08,*07*	Be
6226	78	c 3, 2 d	9.32	*02*,03	B
6233	66	c 3, 4 d	9.22	08,*07*	B
6233	81	c 3, 3 d	9.28	02,*03*	B
6243	60	c 3, 3 d	9.28	02,*03*	B
6247	60	c 4, 1 d	9.42	*02*,03	B
6247	58	c 3, 3 d	9.28	02,*03*	Be
6248	60	c 3, 4 d	9.22	08,*07*	B
6248	65	c 3, 4 d	9.22	08,*07*	Be
6250	61	c 4, 2 d	9.38	02,*03*	B
6250	74	c 4, 3 d	9.32	08,*07*	B
6250	81	c 3, 1 d	9.38	*08*,07	B
6255	65	c 5, 3 d	9.38	12,*13*	B
6256	67	c 5, 3 d	9.38	12,*13*	B
6258	62	c 4, 1 d	9.42	*02*,03	B
6260	59	d 2, 3 e	9.75	00,00	B
6292	77	e 3, 2 f	10.32	03,*02*	B
6299	70	f 3, 2 g	10.75	05,*05*	B
6302	77	e 2, 2 f	10.28	*03*,02	B
6311	81	e 3, 2 f	10.32	03,*02*	B
6313	67	g 1	11.00	A	B
6320	61	g 2	11.10	A	B
6340	92	g 3, 2 h	11.15	05,*05*	B
6362	13	f 3, 3 g	10.70	10,*10*	B
6365	73	d 3, 2 e	9.85	00,00	B
6366	63	e 3	10.35	A	Bd
6370	61	d 2	9.75	A	B
6372	157	d 2	9.75	A	B
6382	77	d 3, 2 e	9.85	00,00	B
6409	118	c 1, 3 d	9.18	*08*,07	B
6414	68	c 3, 2 d	9.32	*02*,03	B
6415	83	c 4, 3 d	9.32	08,*07*	B
6416	51	c 3, 3 d	9.28	02,*03*	B
6428	56	c 2, 4 d	9.18	02,*03*	B
6428	73	c 3, 2 d	9.32	*02*,03	B
6439	68	b 3, 1 c	8.84	*06*,06	B
6443	58	b 4, 2 c	8.84	04,*04*	B
6444	60	c 3, 4 d	9.22	08,*07*	B
6447	72	b 3, 2 c	8.79	*01*,01	B
6455	85	b 4, 2 c	8.84	04,*04*	B
6459	65	b 3, 2 c	8.79	*01*,01	B
6462	70	b 3, 2 c	8.79	*01*,01	B
6465	69	b 2, 3 c	8.69	*01*,01	B
6466	84	b 4, 2 c	8.84	04,*04*	B
6467	74	b 4, 3 c	8.79	09,*09*	B
6472	79	b 3, 0 c, 3 d	9.01	*23*,*01*, 24	B
6475	72	b 3, 2 c	8.79	*01*,01	B
6476	78	b 3, 2 c	8.79	*01*,01	B
6484	63	b 3, 2 c	8.79	*01*,01	B
6494	61	b 4, 2 c	8.84	04,*04*	B
6495	73	b 4, 1 c	8.89	*01*,01	B
6505	57	b 3, 2 c	8.79	*01*,01	B
6506	41	b 2, 3 c	8.69	*01*,01	B
6507	84	b 3, 2 c	8.79	*01*,01	B
6514	63	b 4, 3 c	8.79	09,*09*	B
6515	73	b 4, 2 c	8.84	04,*04*	B
6517	63	c 1, 4 d	9.12	*02*,03	B
6518	61	b 4, 2 c	8.84	04,*04*	B
6522	53	b 4, 2 c	8.84	04,*04*	B
6528	114	c 4, 3 d	9.32	08,*07*	B
6530	73	c 3, 4 d	9.22	08,*07*	B
6531	32	b 4, 2 c	8.84	04,*04*	B
6531	65	b 4, 3 c	8.79	09,*09*	B
6536	67	c 1, 3 d	9.18	*08*,07	B
6536	73	c 4, 3 d	9.32	08,*07*	B
6539	67	c 4, 3 d	9.32	08,*07*	B
6544	78	c 3, 3 d	9.28	02,*03*	B
6548	62	c 3, 3 d	9.28	02,*03*	B
6555	63	c 5, 2 d	9.42	08,*07*	B
6566	69	c 4, 2 d	9.38	02,*03*	B
6572	89	d 1, 2 e	9.75	*10*,10	B
“	“	e 1, 2 f	10.22	*07*,08	B
6575	60	e 2, 3 f	10.22	03,*02*	B
6583	64	e 1, 2 f	10.22	*07*,08	B
6587	63	d 3, 0 e	9.95	*10*,10	B
6623	60	g 1, N	*11.0*		B
6655	65	f 1, 2 g	10.65	*05*,05	B
6682	62	f 1, 2 g	10.65	*05*,05	B
6716	61	d 1, 2 e	9.75	*10*,10	B
6754	69	c 4, 3 d	9.32	08,*07*	B
6760	60	c 4, 3 d	9.32	08,*07*	B
6768	69	b 4, 2 c	8.84	04,*04*	B
6781	65	c 2, 3 d	9.22	*02*,03	B
6783	70	b 3, 1 c	8.84	*06*,06	B
6783	63	c 1, 4 d	9.12	*02*,03	B
6785	71	b 3, 3 c	8.74	04,*04*	B
6785	77	b 4, 2 c	8.84	04,*04*	B
6788	78	b 3, 2 c	8.79	*01*,01	B
6803	67	b 5, 2 c	8.89	09,*09*	B
6806	55	b 3, 3 c	8.74	04,*04*	B
6818	63	b 4, 2 c	8.84	04,*04*	B
6835	62	b 3, 2 c	8.79	*01*,01	B
6844	91	c 2, 4 d	9.18	02,*03*	B
6858	91	c 3, 3 d	9.28	02,*03*	B
6863	62	c 4, 3 d	9.32	08,*07*	B
6869	60	c 4, 2 d	9.38	02,*03*	B
6872	81	c 4, 2 d	9.38	02,*03*	B
6877	67	c 4, 2 d	9.38	02,*03*	B
6900	56	e 2, 2 f	10.28	*03*,02	B
7026	103	c 3, 2 d	9.32	*02*,03	B
7061	60	c 3, 3 d	9.28	02,*03*	B
7081	61	c 2, 3 d	9.22	*02*,03	B
7114	66	c 2, 3 d	9.22	*02*,03	B
7129	68	b 4, 2 c	8.84	04,*04*	B
7151	*67*	b 2, 3 c	8.69	*01*,01	B
7151	105	b 4, 2 c	8.84	04,*04*	B
7152	87	b 4, 2 c	8.84	04,*04*	B
7159	75	b 4, 2 c	8.84	04,*04*	B
7161	65	c 1, 3 d	9.18	*08*,07	B
7164	72	c 3, 2 d	9.32	*02*,03	B
7168	64	b 4, 2 c	8.84	04,*04*	B
7169	42	c 2, 3 d	9.22	*02*,03	B
7170	57	c 4, 2 d	9.38	02,*03*	B
7173	63	c 3, 3 d	9.28	02,*03*	B
7175	87	c 3, 4 d	9.22	08,*07*	B
98. 160210. U SERPENTIS.					
	m.				
1567	16	m 3, N	*11.4*		F
1882	10	h 2, 4 k	9.87	05,*05*	F
1953	10	m 1, N	*11.2*		F
2262	12	m 1, N	*11.2*		F
2287	10	l 3, 1 m	11.04	00,00	F
2288	12	l 2, 2 m	10.94	00,00	F
2581	10	f 2, 1 g	9.22	05,*05*	F

98. 160210. U SERPENTIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
2601	*62*	g 2, 2 h	9.50	*03*,02	F
2635	13	k 3, 2 l	10.53	*01*,01	F
2661	42	m 1, 4 n	11.24	00,00	F
2674	10	m 5, 1 n	11.59	05,*05*	F
2697	10	n 1, N	*11.7*		F
2911	15	m 2, 2 n	11.39	*05*,05	F
2951	19	n 3, N	*11.9*		F
3029	11	h 5, 1 k	10.17	05,*05*	F
3289	12	e 3, 1 f	8.97	00,00	F
3317	10	e 4, 1 f	9.02	05,*05*	F
3317	11	e 4, 1 f	9.02	05,*05*	F
3327	10	g 2, 2 h	9.50	*03*,02	F
3357	*60*	h 5, 0 k	10.22	00,00	F
3384	10	m 3, 2 n	11.44	00,00	F
3665	10	n 3, N	*11.9*		F
3738	10	l 2, 2 m	10.94	00,00	F
3752	17	h 3, 2 k	10.02	00,00	F
3782	13	g 2, 2 h	9.50	*03*,02	F
3789	12	g 1, 3 h	9.40	*03*,02	F
3833	10	k 3, 3 l	10.48	04,*04*	F
3974	16	m 2, 3 n	11.34	00,00	F
3999	21	h 3, 3 k	9.97	05,*05*	F
4036	10	f 1, 1 g	9.17	00,00	F
4044	*60*	g 5, 0 h, 6 k	9.70	07,02, *08*	F
4091	10	k 4, 1 l	10.63	*01*,01	F
4102	16	m 2, 3 n	11.34	00,00	B
4171	11	n 2, N	*11.8*		B
4393	10	n 2, N	*11.8*		Bd
4478	15	h 3, 3 k	9.97	05,*05*	B
4508	10	g 3, 3 h	9.50	07,*08*	B
4545	10	h 3, 3 k	9.97	05,*05*	B
4569	16	m 1, 2 n	11.34	*10*,10	B
4701	60	h 4, 2 k	10.07	05,*05*	B
4708	64	k 3, 2 l	10.53	*01*,01	B
4708	11	h 3, 2 k	10.02	00,00	B
4719	93	g 4, 3 h	9.54	13,*12*	B
4730	72	e 3, 2 f	8.92	05,*05*	B
4733	63	g 3, 2 h	9.54	03,*02*	B
4748	*70*	g 3, 2 h	9.54	03,*02*	B
4753	15	f 2, 3 g	9.12	15,*15*	B
4766	66	g 3, 2 h	9.54	03,*02*	B
4773	79	g 4, 2 h	9.60	07,*08*	B
4797	10	k 3, 3 l	10.48	04,*04*	B
4799	11	k 2, 3 l	10.43	*01*,01	B
4801	10	k 2, 3 l	10.43	*01*,01	B
4817	*56*	m 2	11.34	A	B
4826	16	m 2, 2 n	11.39	*05*,05	B
4855	10	n 2, N	*11.8*		B
4883	10	m 2	11.34	A	B
5147	14	n 3, 1 o^1	11.92	02,*01*	B
5196	60	h 4	10.12	A	B
5200	10	g 3, 2 h	9.54	03,*02*	B
5200	20	g 2, 1 h	9.54	*07*,08	B
5211	10	f 2, 2 g	9.17	10,*10*	B
5218	60	g 3, 3 h	9.50	07,*08*	B
5220	94	g 4, 3 h	9.54	13,*12*	B
5221	60	g 2, 4 h	9.40	07,*08*	B
5224	61	g 2, 3 h	9.44	03,*02*	Bi
5233	60	g 3, 3 h	9.50	07,*08*	Bi
5264	10	h 4, 3 k	10.02	10,*10*	B
5264	16	h 4, 2 k	10.07	05,*05*	B
5275	10	k 2, 3 l	10.43	*01*,01	B
5275	10	k 2, 3 l	10.43	*01*,01	B
5425	10	h 4, 3 k	10.02	10,*10*	B
5430	65	h 4, 3 k	10.02	10,*10*	B
5435	87	h 3, 3 k	9.97	05,*05*	B
5443	53	g 3, 3 h	9.50	07,*08*	B
5444	91	g 4, 2 h	9.60	07,*08*	B
5449	69	g 4, 3 h	9.54	13,*12*	B
5461	68	g 4, 3 h	9.54	13,*12*	B
5465	76	h 2, 3 k	9.92	00,00	B
5485	73	h 2, 4 k	9.87	05,*05*	B
5502	69	k 2, 3 l	10.43	*01*,01	B
5503	68	k 1, 3 l	10.38	*06*,06	B
5512	72	k 2, 2 l	10.48	*06*,06	B
5519	63	k 3, 3 l	10.48	04,*04*	B
5521	97	l 1	10.84	A	B
5541	60	k 2, 1 l	10.53	*11*,11	B
5542	11	m 3, 3 n	11.39	05,*05*	B
5547	18	n 1, 2 o^1	11.78	*04*,03	B
5633	10	l 3, 1 m	11.04	00,00	B
5870	10	m 2, N	*11.3*		B
5883	87	l 3, 2 m	10.99	05,*05*	B
5883	18	l 3, 2 m	10.99	05,*05*	B
5885	10	l 3, 2 m	10.99	05,*05*	B
5887	60	l 2, 1 m	10.99	*05*,05	B
5897	60	k 3, 3 l	10.48	04,*04*	B
5897	10	h 4, 2 k	10.07	05,*05*	B
5897	10	k 2, 3 l	10.43	*01*,01	B
5899	70	h 3, 2 k	10.02	00,00	B
5906	10	g 3, 1 h	9.60	*03*,02	B
5908	61	g 3, 3 h	9.50	07,*08*	B
5910	92	g 3, 2 h	9.54	03,*02*	B
5910	78	g 4, 2 h	9.60	07,*08*	B
5912	60	g 4, 3 h	9.54	13,*12*	B
5913	62	g 3, 3 h	9.50	07,*08*	B
5915	62	g 3, 3 h	9.50	07,*08*	B
5925	61	g 4, 3 h	9.54	13,*12*	B
5926	60	g 4, 3 h	9.54	13,*12*	B
5927	60	g 4, 3 h	9.54	13,*12*	B
5934	60	g 3, 3 h	9.50	07,*08*	B
5937	79	g 3, 3 h	9.50	07,*08*	B
5939	58	g 3, 3 h	9.50	07,*08*	B
5941	60	g 2, 3 h	9.44	03,*02*	B
5964	60	h 2	9.92	A	B
5970	78	h 4, 2 k	10.07	05,*05*	B
5974	10	h 3, 4 k	9.92	10,*10*	B
5976	64	h 2, 2 k	9.97	*05*,05	B
6023	60	k 2, N	*10.4*		B
6170	70	g 3, 3 h	9.50	07,*08*	B
6183	10	g 2, 1 h	9.54	*07*,08	B
6185	66	g 3, 2 h	9.54	03,*02*	B
6222	10	l 2, 2 m	10.94	00,00	B
6222	64	k 3, 0 l	10.63	*11*,11	B
6222	61	k 3, 2 l	10.53	*01*,01	B
6224	70	k 1	10.32	A	B
6269	10	n 2, N	*11.8*		B
6298	10	n 2, N	*11.8*		B
6372	60	l 3, 2 m	10.99	05,*05*	B
6386	80	h 3, 2 k	10.02	00,00	B
6388	59	h 2, 3 k	9.92	00,00	B
6560	40	n 3, 1 o^1	11.92	02,*01*	B
6583	72	l 1	10.84	A	B
6589	70	k 4, 2 l	10.58	04,*04*	B
6594	60	k 4	10.62	A	B
6604	60	h 4, 2 k	10.07	05,*05*	B
6606	61	h 4, 3 k	10.02	10,*10*	B
6606	11	h 3, 2 k	10.02	00,00	B
6608	10	g 3, 2 h	9.54	03,*02*	B
6608	60	h 2, 3 k	9.92	00,00	B
6612	64	g 3, 1 h	9.60	*03*,02	B
6615	62	g 1, 2 h	9.44	*07*,08	B
6624	11	g 2, 3 h	9.44	03,*02*	B
6634	64	f 2, 1 g	9.22	05,*05*	B
6636	10	f 1, 3 g	9.07	10,*10*	B
6638	77	e 2, 3 f	8.82	05,*05*	B
6646	15	f 1, 2 g	9.12	05,*05*	B
6649	*80*	e 3, 2 f	8.92	05,*05*	B
6650	10	f 2, 2 g	9.17	10,*10*	B
6651	11	f 2, 2 g	9.17	10,*10*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6652	60	g 1, 2 h	9.44	*07*,08	B
6653	61	g 2, 3 h	9.44	03,*02*	B
6662	60	g 2, 1 h	9.54	*07*,08	B
6663	60	g 3, 2 h	9.54	03,*02*	B
6670	10	g 3, 2 h	9.54	03,*02*	B
6675	60	h 2, 3 k	9.92	00,00	B
6678	90	h 3, 3 k	9.97	05,*05*	B
6679	65	h 2, 3 k	9.92	00,00	B
6688	64	h 4, 3 k	10.02	10,*10*	B
6694	64	k 3, 3 l	10.48	04,*04*	B
6712	14	l 2, 2 m	10.94	00,00	B
6717	10	m 1, 2 n	11.34	*10*,10	B
6740	70	k 3	10.52	A	B
6870	10	g 2, 2 h	9.50	*03*,02	B
6872	45	g 3, 2 h	9.54	03,*02*	B
6884	58	g 2, 2 h	9.50	*03*,02	B
6888	51	g 3, 3 h	9.50	07,*08*	B
6890	65	g 3, 2 h	9.54	03,*02*	B
6902	10	g 3, 2 h	9.54	03,*02*	B
6906	62	h 2, 3 k	9.92	00,00	B
6907	67	g 4, 1 h	9.64	03,*02*	B
6917	60	h 3, 3 k	9.97	05,*05*	B
6922	64	h 3, 2 k	10.02	00,00	B
6932	62	k 1, 3 l	10.38	*06*,06	B
6932	60	k 1, 3 l	10.38	*06*,06	B
6935	62	k 3, 3 l	10.48	04,*04*	B
6942	56	k 2, 3 l	10.43	*01*,01	B
6957	62	k 3, 2 l	10.53	*01*,01	B
6958	10	l 3, 1 m	11.04	00,00	B
6960	11	l 3, 1 m	11.04	00,00	B
6960	60	l 2	10.94	A	B
6967	78	l 3	11.04	A	B
6979	60	l 3, 1 m	11.04	00,00	B
6990	59	l 2	10.94	A	B
7075	60	k 2, 0 l	10.58	*16*,16	B
7079	60	k 4, 3 l	10.53	09,*09*	B
7080	60	k 2, 3 l	10.43	*01*,01	B
7096	66	g 4, 2 h	9.60	07,*08*	B
7097	60	h 2, 3 k	9.92	00,00	B
7105	69	g 1, 3 h	9.40	*03*,02	B
7107	60	g 3, 2 h	9.54	03,*02*	B

104. *164844*. RS Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1167	10	f 1, 3 g	9.82	01,*01*	B
1167	10	f 3, 2 g	9.97	06,*06*	B
1175	61	e 2, 1 f	9.44	*19*,19	Be
1190	73	f 3, 2 g	9.97	06,*06*	B
1193	10	h 1, 2 k	10.44	*08*,07	B
1197	10	g 2, 1 h	10.24	07,*08*	B
1237	63	o 2, 0 p, 3 q	11.57	*03*,05, *03*	B
1470	*60*	c 2, 3 d	8.58	11,*11*	Bd
1497	10	f 2, 1 g	9.97	*04*,04	B
1509	60	h 2, 3 k	10.44	02,*03*	B
1531	60	k 2, 1 l	10.86	05,*05*	B
1600	60	q 1, 2 r	11.92	02,*03*	B
1601	60	q 3, 2 r	12.02	12,*13*	B
1627	60	p 2, 3 q	11.68	14,*14*	B
1870	10	p 1	11.72	A	B
1871	10	p 2, 3 q	11.68	14,*14*	B
1873	14	p 1, 2 q	11.68	04,*04*	B
1882	10	p 2, 1 q	11.78	04,*04*	B
1885	70	p 3, 2 q	11.78	14,*14*	B
1886	65	q 1, 2 r	11.92	02,*03*	B
1964	67	o 3, 2 p	11.53	11,*11*	B
1966	69	p 2, 3 q	11.68	14,*14*	Bp
2219	60	q 1	11.94	A	B
2267	68	q 2, 2 r	11.96	08,*07*	B
2271	81	q 3, 2 r	12.02	12,*13*	B
2294	26	o 2, 1 p	11.53	01,*01*	B
2294	20	o 3, 2 p	11.53	11,*11*	B
2336	*84*	e 1	9.15	A	Bd
2361	*58*	a 3, 2 b	7.95	11,*11*	B
2364	*60*	a 3, 2 b	7.95	11,*11*	B
2364	*61*	a 3, 2 b	7.95	11,*11*	B
2378	10	a 3, 2 b	7.95	11,*11*	B
2378	10	a 2, 3 b	7.85	11,*11*	B
2582	10	q 2	12.04	A	B
2582	11	q 1	11.94	A	B
2582	11	p 2, 1 q	11.78	04,*04*	B
2582	10	q 1, 2 r	11.92	02,*03*	B
2582	10	q 2, 1 r	12.02	02,*03*	B
2582	10	q 2, 1 r	12.02	02,*03*	B
2591	10	q 2, 2 r	11.96	*08*,07	B
2638	10	k 3, 1 l	10.91	10,*10*	B
2639	9	k 1, 2 l	10.76	05,*05*	B
2650	*60*	f 1	9.83	A	B
2657	11	f 1, 2 g	9.87	*04*,04	B
2672	10	d 2, 1 e	8.96	01,*01*	B
2682	*60*	a 3, 2 b	7.95	11,*11*	B
2737	*125*	b 1, 1 c	8.26	*12*,13	B
"	"	c 3, 2 d	8.68	11,*11*	B
2945	10	m 2, 1 n	11.22	07,*08*	B
2951	10	m 1, 2 n	11.12	07,*08*	B
2951	49	m 1, 2 n	11.12	07,*08*	B
2963	14	k 2, 1 l	10.86	05,*05*	B
2972	10	h 3, 2 k	10.54	02,*03*	B
2981	10	g 2, 1 h	10.24	07,*08*	B
2981	10	g 3, 0 h, 2 k	10.39	02,*13*, 12	B
2981	10	g 3, 1 h	10.28	13,*12*	B
3009	*60*	a 3, 2 b	7.95	11,*11*	B
3030	10	b 2, 3 c	8.22	02,*03*	B
3055	10	a 3, 1 b	8.00	06,*06*	B
3055	10	b 2, 1 c	8.32	*08*,07	B
3082	10	d 2, 1 e	8.96	01,*01*	B
3258	10	p 3, N	*11.9*		B
3290	10	o 2, 3 p	11.43	11,*11*	B
3300	*56*	k 1	10.81	A	Bd
3325	10	d 3, 2 e	8.96	11,*11*	B
3343	*60*	c 3, 1 d	8.73	06,*06*	B
3346	10	c 2, 3 d	8.58	11,*11*	B
3348	10	c 1, 2 d	8.58	01,*01*	B
3348	11	c 2, 1 d	8.68	01,*01*	B
3349	10	d 1, 3 e	8.81	06,*06*	B
3357	10	c 1, 3 d	8.53	06,*06*	B
3362	*60*	c 1, 2 d	8.58	01,*01*	B
3363	*61*	c 1, 2 d	8.58	01,*01*	B
3365	*80*	d 3, 3 e	8.91	16,*16*	B
3365	*85*	d 2, 1 e	8.96	01,*01*	B
3374	*80*	d 1, 2 e	8.86	01,*01*	B
3376	10	c 2, 1 d	8.68	01,*01*	B
3383	10	d 1, 2 e	8.86	01,*01*	B
3390	*60*	d 3, 2 e	8.96	11,*11*	B
3409	10	e 2, 2 f	9.39	*14*,14	B
3444	15	l 3, 2 m	11.05	16,*16*	B
3465	10	o 2, 1 p	11.53	01,*01*	B
3621	20	g 2, 1 h	10.24	07,*08*	B
3635	10	e 2, 1 f	9.44	*19*,19	B
3656	17	a 3, 2 b	7.95	11,*11*	B
3673	10	a 3, 2 b	7.95	11,*11*	B
3684	8	b 1, 2 c	8.22	*08*,07	B
3693	19	b 2, 1 c	8.32	*08*,07	B
3694	10	a 3, 2 b	7.95	11,*11*	B
3702	10	b 3, 1 c	8.36	*02*,03	B
3710	15	d 1, 2 e	8.86	01,*01*	B
3713	60	b 2, 1 c	8.32	*08*,07	B
3714	11	d 3, 2 e	8.96	11,*11*	B
3727	11	e 1, 2 f	9.34	*19*,19	B

104. *164844.* RS SCORPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3730	14	d 3, 2 e	8.96	11,*11*	B
3742	12	e 2, 2 f	9.39	*14*,14	B
3743	10	e 1, 2 f	9.34	*19*,19	B
3744	12	e 3, 2 f	9.44	*09*,09	B
3758	19	h 1, 2 k	10.44	*08*,07	B
3759	10	g 3, 1 h	10.28	13,*12*	B
3776	*120*	k 2, 1 l	10.86	05,*05*	Bd
3778	60	k 2, 1 l	10.86	05,*05*	B
3780	*86*	k 3	11.01	A	Bd
3782	11	l 2, 3 m	10.95	16,*16*	B
3787	10	m 1, 2 n	11.12	07,*08*	B
3787	10	l 1, 2 m	10.95	06,*06*	B
3797	10	o 2, 1 p	11.53	01,*01*	B
3818	12	p 2, 1 q	11.78	04,*04*	B
3834	11	q 1, 1 r	11.96	*02*,03	B
3840	23	q 3, 1 r	12.06	08,*07*	B
3946	10	f 1, 3 g	9.82	01,*01*	B
3964	12	d 3, 1 e	9.01	06,*06*	B
3990	10	a 2, 3 b	7.85	11,*11*	B
4013	11	b 1, 2 c	8.22	*08*,07	B
4022	12	c 3, 2 d	8.68	11,*11*	B
4036	10	d 2, 1 e	8.96	01,*01*	B
4055	10	e 3, 2 f	9.44	*09*,09	Bd
4058	10	e 2, 3 f	9.34	*09*,09	B
4067	11	g 1, 2 h	10.14	07,*08*	B
4070	13	h 2, 3 k	10.44	02,*03*	B
4077	10	h 3, 2 k	10.54	02,*03*	B
4083	10	k 1, 3 l	10.71	10,*10*	B
4084	24	k 1, 2 l	10.76	05,*05*	B
4107	23	m 2, 1 n	11.22	07,*08*	B
4128	60	q 2, 3 r	11.92	12,*13*	B
4137	73	p 2, 1 q	11.78	04,*04*	B
4147	10	q 3, 1 r	12.06	08,*07*	B
4181	20	t 3, 3 u	12.48	19,*18*	B
4373	10	d 3, 2 e	8.96	11,*11*	B
4377	10	e 1, 3 f	9.29	*14*,14	B
4382	10	e 1, 2 f	9.34	*19*,19	B
4456	*65*	e 1	9.15	A	B
4538	10	s 2, N	*12.4*		B
4548	10	s 2, N	*12.4*		B
4570	10	p 3, 1 q	11.83	09,*09*	B
4751	11	l 1, 2 m	10.95	06,*06*	B
4752	10	l 1, 2 m	10.95	06,*06*	B
4766	10	n 2, 1 o	11.34	10,*10*	B
4805	13	p 3, 2 q	11.78	14,*14*	B
4811	12	p 3, 2 q	11.78	14,*14*	B
4832	10	q 1	11.94	A	B
4851	10	q 2, N	*12.0*		B
4885	10	o 3, 2 p	11.53	11,*11*	B
4885	10	o 3, 2 p	11.53	11,*11*	B
4892	15	n 1, 2 o	11.24	10,*10*	B
4898	74	k 3, 2 l	10.86	15,*15*	B
4904	72	h 1, 1 k	10.48	*12*,13	B
4925	60	d 3, 2 e	8.96	11,*11*	B
4927	60	d 4, 3 e	8.96	21,*21*	B
4942	62	a 3, 2 b	7.95	11,*11*	B
5071	60	l 2, 2 m	11.00	11,*11*	B
5120	10	p 3	11.92	A	B
5120	68	p 3, 2 q	11.78	14,*14*	B
5120	10	p 3, 2 q	11.78	14,*14*	B
5121	10	p 3, 2 q	11.78	14,*14*	B
5204	*60*	q 1, N	*11.9*		Bd
5206	*67*	q 1, N	*11.9*		Bd
5207	*63*	q 1, N	*11.9*		Bd
5220	60	o 2, 1 p	11.53	01,*01*	B
5234	*60*	m 1, N	*11.1*		Bd
5235	61	k 3, 2 l	10.86	15,*15*	Bi
5262	10	c 1, 2 d	8.58	01,*01*	B
5267	11	c 2, 1 d	8.68	01,*01*	B
5267	60	a 3, 0 b, 2 c	8.13	*07*,*09*, 16	B
5268	10	a 3, 2 b	7.95	11,*11*	B
5274	67	a 1, 3 b	7.80	06,*06*	B
5278	60	a 3, 2 b	7.95	11,*11*	Bi
5486	12	r 1, N	*12.1*		B
5532	10	p 2, 1 q	11.78	04,*04*	B
5533	10	p 2, 3 q	11.68	14,*14*	B
5541	10	p 2, 1 q	11.78	04,*04*	B
5542	70	p 2	11.82	A	B
5556	60	o 1, 2 p	11.43	01,*01*	B
5558	60	n 1, 2 o	11.24	10,*10*	B
5560	60	m 1, 2 n	11.12	07,*08*	B
5560	60	m 1, 2 n	11.12	07,*08*	B
5572	60	f 2, 1 g	9.97	*04*,04	Bi
5575	64	g 1	10.21	A	Bi
5585	65	b 1, 2 c	8.22	*08*,07	B
5588	*64*	a 2, 1 b	7.95	01,*01*	B
5589	*60*	a 3, 2 b	7.95	11,*11*	B
5590	64	b 1, 2 c	8.22	*08*,07	B
5591	60	a 2, 1 b	7.95	01,*01*	B
5609	60	a 3, 2 b	7.95	11,*11*	B
5619	12	a 3, 2 b	7.95	11,*11*	B
5620	10	a 2, 3 b	7.85	11,*11*	B
5623	10	a 2, 3 b	7.85	11,*11*	B
5633	70	a 2, 3 b	7.85	11,*11*	B
5633	68	a 3, 2 b	7.95	11,*11*	B
5646	62	b 2, 3 c	8.22	02,*03*	B
5842	10	q 2, N	*12.0*		B
5868	10	p 3, 2 q	11.78	14,*14*	B
5868	10	p 2, 1 q	11.78	04,*04*	B
5868	60	p 3, 1 q	11.83	09,*09*	B
5870	60	p 1	11.72	A	B
5898	60	h 2, 1 k	10.54	*08*,07	B
5912	60	d 1, 2 e	8.86	01,*01*	B
5912	60	e 1, 3 f	9.29	*14*,14	B
5913	60	d 2, 1 e	8.96	01,*01*	B
5914	11	d 3, 2 e	8.96	11,*11*	B
5914	66	d 2, 3 e	8.86	11,*11*	B
5918	61	c 3, 3 d	8.63	16,*16*	B
5925	60	b 2, 3 c	8.22	02,*03*	B
5927	60	b 3, 1 c	8.36	*02*,03	B
5929	60	b 1, 2 c	8.22	*08*,07	B
5934	60	b 1, 3 c	8.16	*02*,03	B
5940	61	a 1, 2 b	7.85	01,*01*	B
5941	60	c 1, 2 d	8.58	01,*01*	B
"	"	b 1, 3 c	8.16	*02*,03	B
5942	60	b 1, 3 c	8.16	*02*,03	B
5943	60	b 1, 3 c	8.16	*02*,03	B
5945	60	b 1, 3 c	8.16	*02*,03	B
5956	60	b 3, 2 c	8.32	02,*03*	B
5973	10	d 3, 2 e	8.96	11,*11*	B
5973	10	c 1, 2 d	8.58	01,*01*	B
5974	60	d 1, 3 e	8.81	06,*06*	B
6008	60	f 3, 1 g	10.02	01,*01*	B
6008	60	f 1, 2 g	9.87	*04*,04	B
6034	60	l 1, 2 m	10.95	06,*06*	B
6183	60	p 3, 2 q	11.78	14,*14*	B
6221	10	k 1, 3 l	10.71	10,*10*	B
6222	14	h 2, 0 k, 2 l	10.63	*17*,08, 08	B
6222	11	h 2, 2 k	10.48	*02*,03	B
6222	62	k 1, 3 l	10.71	10,*10*	B
6233	61	d 3, 2 e	8.96	11,*11*	B
6240	60	c 1, 2 d	8.58	01,*01*	B
6240	67	c 2, 3 d	8.58	11,*11*	B
6242	60	b 3, 2 c	8.32	*02*,03	B
6253	60	a 3, 2 b	7.95	11,*11*	B
6254	61	a 3, 1 b	8.00	06,*06*	B
6264	61	a 2, 3 b	7.85	11,*11*	B
6268	61	a 3, 2 b	7.95	11,*11*	B
6268	10	b 1, 2 c	8.22	*08*,07	B

104. *164844.* RS SCORPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6279	60	b 2, 2 c	8.26	*02*,03	B
6281	62	a 2, 3 b	7.85	11,*11*	B
"	"	b 1, 2 c	8.22	*08*,07	B
6282	240	b 1, 2 c	8.22	*08*,07	B
6282	60	b 1, 2 c	8.22	*08*,07	B
6282	62	a 2, 1 b	7.95	01,*01*	B
"	"	b 2, 1 c	8.32	*08*,07	B
6284	60	b 2, 0 c, 2 d	8.43	*19*,06, 14	B
6286	480	b 2, 0 c, 2 d	8.43	*19*,06, 14	B
6288	60	c 1, 2 d	8.58	01,*01*	B
6296	60	d 1, 2 e	8.86	01,*01*	B
6297	61	d 1, 3 e	8.81	06,*06*	B
6298	60	d 4, 3 e	8.96	21,*21*	B
6302	60	c 3, 2 d	8.68	11,*11*	B
6310	60	d 3, 3 e	8.91	16,*16*	B
6311	63	e 3, 4 f	9.34	01,*01*	B
6313	64	e 1, 2 f	9.34	*19*,19	Bd
6323	62	e 1, 3 f	9.29	*14*,14	B
6337	75	f 2, 1 g	9.97	*04*,04	B
6339	65	f 3, 2 g	9.97	06,*06*	B
6344	64	g 2, 1 h	10.24	07,*08*	B
6359	60	h 2, 2 k	10.48	*02*,03	B
6360	10	h 2, 1 k	10.54	*08*,07	B
6361	10	h 2, 1 k	10.54	*08*,07	B
6361	10	h 2, 1 k	10.54	*08*,07	B
6372	60	k 3, 1 l	10.91	10,*10*	B
6376	63	k 3, 1 l	10.91	10,*10*	B
6379	60	l 2, 2 m	11.00	11,*11*	B
6396	64	m 2, 1 n	11.22	07,*08*	B
6558	63	A 3, 2 a	7.59	03,*03*	B
6558	60	A 3, 1 a	7.64	*02*,02	B
6563	60	A 3, 2 a	7.59	03,*03*	B
6582	62	A 3, 1 a	7.64	*02*,02	B
6583	10	a 2, 2 b	7.90	06,*06*	B
6585	54	A 2, 2 a	7.54	*02*,02	B
6587	10	a 1, 2 b	7.85	01,*01*	B
6589	67	A 3, 2 a	7.59	03,*02*	B
6593	65	A 3, 1 a	7.64	*02*,02	B
6593	60	a 2, 3 b	7.85	11,*11*	B
6603	10	a 2, 3 b	7.85	11,*11*	B
6604	63	a 3, 2 b	7.95	11,*11*	B
6604	60	a 1, 3 b	7.80	06,*06*	B
6606	60	a 2, 3 b	7.85	11,*11*	B
6607	60	a 3, 2 b	7.95	11,*11*	B
6608	62	b 2, 3 c	8.22	02,*03*	B

104. *164844.* RS SCORPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6608	60	a 3, 2 b	7.95	11,*11*	B
6612	60	b 1, 2 c	8.22	*08*,07	Bd
6615	60	b 1, 3 c	8.16	*02*,03	B
6619	240	b 2, 1 c	8.32	*08*,07	Bd
6625	10	b 1, 2 c	8.22	*08*,07	B
6625	60	b 3, 1 c	8.36	*02*,03	B
6626	11	c 3, 1 d	8.73	06,*06*	B
6634	61	c 2, 1 d	8.68	01,*01*	B
6636	60	d 1, 3 e	8.81	06,*06*	B
6638	69	d 4, 3 e	8.96	21,*21*	B
6644	60	e 2, 3 f	9.34	*09*,09	B
6650	61	e 1, 2 f	9.34	*19*,19	B
6652	63	e 3, 2 f	9.44	*09*,09	B
6653	50	e 3, 3 f	9.39	*04*,04	B
6664	64	f 2, 2 g	9.92	01,*01*	B
6667	64	f 1, 2 g	9.87	*04*,04	B
6667	62	e 2, 1 f	9.44	*19*,19	B
6669	61	g 1, 2 h	10.14	07,*08*	B
6685	76	g 2, 2 h	10.18	13,*12*	B
6691	75	k 2, 1 l	10.86	05,*05*	B
6694	61	l 2, 2 m	11.00	11,*11*	B
6697	70	k 3, 1 l	10.91	10,*10*	B
6915	62	c 3, 2 d	8.68	11,*11*	B
6918	64	b 3, 2 c	8.32	02,*03*	B
6922	62	d 1, 3 e	8.81	06,*06*	B
6933	60	d 3, 2 e	8.96	11,*11*	B
6934	10	d 3, 2 e	8.96	11,*11*	B
6935	60	d 3, 1 e	9.01	06,*06*	B
6938	60	e 1, 2 f	9.34	*19*,19	B
6941	10	e 1, 3 f	9.29	*14*,14	B
6943	63	e 1, 4 f	9.24	*09*,09	B
6948	10	e 3, 3 f	9.39	*04*,04	B
6957	60	e 3, 2 f	9.44	*09*,09	B
6958	10	e 1, 3 f	9.29	*14*,14	B
6960	60	e 3, 2 f	9.44	*09*,09	B
6960	59	e 3, 2 f	9.44	*09*,09	B
6968	63	f 3, 2 g	9.97	06,*06*	B
6972	65	f 1, 2 g	9.87	*04*,04	B
6976	61	f 2, 3 g	9.87	06,*06*	B
6981	62	g 1, 2 h	10.14	07,*08*	B
6988	60	f 2, 1 g	9.97	*04*,04	B
6999	68	k 2, 3 l	10.76	15,*15*	B
7000	69	h 2, 1 k	10.54	*08*,07	B
7004	60	g 3, 2 h	10.24	17,*18*	B
7006	60	k 2, 2 l	10.81	10,*10*	B
7007	61	k 3, 2 l	10.86	15,*15*	B
7009	60	k 1, 3 l	10.71	10,*10*	B

104. *164844.* RS SCORPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7037	60	o 3, 2 p	11.53	11,*11*	B
7037	11	n 1, 2 o	11.24	10,*10*	B
7039	60	l 1, 1 m	11.00	01,*01*	B
7069	11	q 1, 3 r	11.86	08;*07*	B
7075	10	q 1	11.94	A	B
7080	12	p 3	11.92	A	B
7095	10	r 1	12.19	A	B
7098	10	p 3, 2 q	11.78	14,*14*	B

105. *165030.* RR SCORPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1197	10	l 3, 1 m	11.65	00,00	B
1197	10	k 1, 2 l	11.14	*01*,01	Be
1197	10	k 2, 2 l	11.19	04,*04*	Be
1236	60	g 1, 3 h	10.38	02,*03*	B
1452	47	l 2	11.55	A	B
1517	10	f 2, 2 g	10.09	*01*,01	B
1533	60	d 2, 2 e	9.06	*13*,12	B
1540	64	d 1, 2 e	9.00	*17*,18	B
1542	60	c 2, 2 d	8.47	*06*,06	B
1616	60	c 2, 2 d	8.47	*06*,06	B
1617	15	c 2, 3 d	8.42	*01*,01	B
1870	11	b 3, 4 c	7.88	08,*07*	B
1873	10	b 2, 1 c	7.98	*12*,13	B
1873	11	a 4, 2 b	7.42	*04*,04	Be
1881	10	b 3, 3 c	7.94	02,*03*	B
2236	10	g 2, 3 h	10.42	08,*07*	B
2236	11	g 2, 3 h	10.42	08,*07*	B
2236	20	f 1, 2 g	10.04	*06*,06	B
2365	80	e 3, 1 f	9.73	*05*,05	B
2631	120	e 2, 1 f	9.68	*10*,10	Bd
2652	*60*	d 2, 4 e	8.96	*03*,02	B
2666	10	c 2, 2 d	8.47	*06*,06	B
2672	10	c 3, 1 d	8.57	*06*,06	B
2677	10	c 2, 2 d	8.47	*06*,06	B
2677	10	b 5, 1 c	8.14	02,*03*	B
2683	*60*	b 3, 2 c	7.98	*02*,03	B
2688	*60*	a 2, 3 b	7.27	*09*,09	B
2705	*48*	a 4, 2 b	7.42	*04*,04	B
2945	10	2 f	9.68	A	Be
3040	10	c 2, 2 d	8.47	*06*,06	B
3055	10	d 2, 2 e	9.06	*13*,12	B
3065	11	d 2, 2 e	9.06	*13*,12	B
3247	10	b 3, 2 c	7.98	*02*,03	B
3247	12	c 2, 2 d	8.47	*06*,06	B
3256	15	a 3, 2 b	7.37	*09*,09	Bp

105. *165030.* RR Scorpii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3258	10	b 3, 2 c	7.98	*02*,03	B
3289	10	a 2, 2 b	7.32	*14*,14	B
“	“	a 4, 2 b	7.42	*04*,04	B
3290	10	b 3, 1 c	8.04	*08*,07	B
3301	*60*	b 2, 2 c	7.94	*08*,07	B
3303	*80*	b 2, 2 c	7.94	*08*,07	B
3315	*60*	b 3, 2 c	7.98	*02*,03	B
3315	*60*	c 3, 3 d	8.47	04,*04*	B
3316	11	c 3, 3 d	8.47	04,*04*	B
3325	11	d 2, 3 e	9.00	*07*,08	B
3325	10	d 2, 3 e	9.00	*07*,08	B
3329	10	c 2, 1 d	8.52	*11*,11	B
3346	10	d 3, 2 e	9.10	*07*,08	B
3348	10	f 2, 3 g	10.04	04,*04*	Be
3357	6	f 3, 2 g	10.14	04,*04*	B
3357	10	e 2, 1 f	9.68	*10*,10	B
“	“	f 1, 2 g	10.04	*06*,06	B
3359	*61*	g 1, 2 h	10.42	*02*,03	B
3373	*72*	g 2, 1 h	10.52	*02*,03	B
3376	10	h 3, 2 k	10.89	06,*06*	B
3383	10	h 4, 2 k	10.94	11,*11*	B
3383	10	h 3, 2 k	10.89	06,*06*	B
3393	*60*	h 1, 1 k	10.84	*09*,09	B
3409	10	l 3, 2 m	11.60	05,*05*	B
3444	11	l 3, 1 m	11.65	00,00	B
3465	10	k 2, 3 l	11.14	09,*09*	B
3614	14	d 2, 1 e	9.10	*17*,18	B
3621	11	e 1, 2 f	9.58	*10*,10	B
3635	11	g 2, 3 h	10.42	08,*07*	Be
3635	10	g 1, 2 h	10.42	*02*,03	B
3646	14	k 1, 2 l	11.14	*01*,01	B
3656	5	h 1, 4 k	10.69	06,*06*	B
3656	22	h 2, 3 k	10.79	06,*06*	B
3661	20	h 2, 1 k	10.89	*04*,04	B
3663	20	k 1, 2 l	11.14	*01*,01	B
3672	14	k 1, 2 l	11.14	*01*,01	B
3672	11	k 2, 3 l	11.14	09,*09*	B
3673	10	l 2, 1 m	11.60	*05*,05	B
3684	10	l 1, 2 m	11.50	*05*,05	B
3684	8	l 3, 3 m	11.55	10,*10*	B
3693	10	l 3, 2 m	11.60	05,*05*	B
3702	10	l 3, 2 m	11.60	05,*05*	B
3702	18	l 3, 2 m	11.60	05,*05*	B
3709	10	l 2, 2 m	11.55	00,00	B
3710	10	l 2, 2 m	11.55	00,00	Be
3713	11	l 2, 1 m	11.60	*05*,05	B
3714	10	l 3, 3 m	11.55	10,*10*	B
3727	10	l 3, 2 m	11.60	05,*05*	B
3728	14	l 2, 2 m	11.55	00,00	B
3729	12	l 3, 2 m	11.60	05,*05*	B
3730	18	l 3, 2 m	11.60	05,*05*	B
3738	12	h 3, 2 k	10.89	06,*06*	B
3741	12	h 3, 2 k	10.89	06,*06*	B
3743	10	h 1, 3 k	10.74	01,*01*	B
3744	12	h 2, 2 k	10.84	01,*01*	B
3751	15	g 3, 2 h	10.52	08,*07*	B
3758	10	f 3, 2 g	10.14	04,*04*	B
3758	12	g 1, 2 h	10.42	*02*,03	B
3762	10	g 3, 2 h	10.52	08,*07*	Be
3773	*60*	d 2, 2 e	9.06	*13*,12	B
3776	*120*	d 2, 3 e	9.00	*07*,08	B
3777	*121*	d 2, 3 e	9.00	*07*,08	B
3779	13	d 2, 2 e	9.06	*13*,12	B
3782	15	d 1, 2 e	9.00	*17*,18	B
3787	10	d 2, 3 e	9.00	*07*,08	B
3797	11	b 2, 1 c	7.98	*12*,13	B
3797	11	c 2, 2 d	8.47	*06*,06	B
3818	12	b 2, 3 c	7.88	*02*,03	B
3833	13	b 2, 3 c	7.88	*02*,03	Bd
3833	26	b 2, 2 c	7.94	*08*,07	B
3860	28	b 2, 2 c	7.94	*08*,07	B
3861	11	b 2, 1 c	7.98	*12*,13	B
3954	*15*	l 2, 3 m	11.50	05,*05*	B
3958	10	l 3, 2 m	11.60	05,*05*	B
3990	25	l 2, 3 m	11.50	05,*05*	B
3994	11	m 1, 3 n	11.86	*01*,01	B
4013	11	k 2, 2 l	11.19	04,*04*	B
4017	15	h 3, 2 k	10.89	06,*06*	B
4022	11	g 3, 2 h	10.52	08,*07*	B
4036	10	g 2, 2 h	10.48	02,*03*	B
4037	12	g 1, 3 h	10.38	02,*03*	B
4055	10	d 2, 1 e	9.10	*17*,18	Bd
4064	16	d 2, 2 e	9.06	*13*,12	Bp
4067	10	d 2, 3 e	9.00	*07*,08	B
4070	19	d 2, 3 e	9.00	*07*,08	B
4070	12	d 2, 3 e	9.00	*07*,08	B
4079	10	c 2, 3 d	8.42	*01*,01	B
4083	10	c 2, 1 d	8.52	*11*,11	B
4083	10	c 2, 3 d	8.42	*01*,01	B
4084	10	c 1, 3 d	8.37	*06*,06	B
4084	11	c 2, 2 d	8.47	*06*,06	B
4085	10	c 2, 1 d	8.52	*11*,11	B
4086	10	c 3, 2 d	8.52	*01*,01	B
4107	11	b 2, 3 c	7.88	*02*,03	B
4108	10	b 1, 2 c	7.88	*12*,13	B
4108	11	b 2, 2 c	7.94	*08*,07	Be
4113	12	a 3, 2 b	7.37	*09*,09	B
4122	10	a 2, 2 b	7.32	*14*,14	B
4122	10	a 2, 1 b	7.37	*19*,19	B
4125	*80*	a 2, 2 b	7.32	*14*,14	B
4168	*62*	d 2, 1 e	9.10	*17*,18	Be
4168	*64*	d 2, 2 e	9.06	*13*,12	Bd
4181	5	d 2, 1 e	9.10	*17*,18	B
4181	10	d 2, 2 e	9.06	*13*,12	Be
4185	10	d 2, 2 e	9.06	*13*,12	B
4186	10	d 2, 2 e	9.06	*13*,12	B
4189	11	e 2, 1 f	9.68	*10*,10	B
4212	62	h 1, 1 k	10.84	*09*,09	B
4337	11	e 2, 2 f	9.63	*05*,05	B
4355	10	d 2, 2 e	9.06	*13*,12	B
4373	10	b 3, 2 c	7.98	*02*,03	B
4377	10	a 2, 1 b	7.37	*19*,19	B
4392	10	b 3, 2 c	7.98	*02*,03	Bd
4401	16	b 2, 2 c	7.94	*08*,07	B
4424	11	b 2, 2 c	7.94	*08*,07	B
4436	17	c 2, 3 d	8.42	*01*,01	B
4536	10	l 3, 3 m	11.55	10,*10*	B
4538	10	l 3, 2 m	11.60	05,*05*	B
4550	10	l 2	11.55	A	Be
4751	10	f 2, 3 g	10.04	04,*04*	B
4753	10	e 3, 2 f	9.68	00,00	B
4757	103	f 1, 1 g	10.09	*11*,11	B
4776	11	g 3, 2 h	10.52	08,*07*	B
4804	12	l 2, 2 m	11.55	00,00	B
4822	10	m 2, 3 n	11.91	04,*04*	B
4835	11	l 3, 1 m	11.65	00,00	B
4844	11	m 2, 3 n	11.91	04,*04*	B
4846	45	m 1, 1 n	11.96	*11*,11	B
4861	63	k 4	11.43	A	B
4862	71	k 2, 2 l	11.19	04,*04*	B
4862	11	l 3, 2 m	11.60	05,*05*	B
4863	10	k 2, 1 l	11.24	*01*,01	B
4867	60	h 3, 1 k	10.94	01,*01*	B
4874	60	g 3, 1 h	10.58	02,*03*	B
4874	60	h 2, 3 k	10.79	06,*06*	B
4875	60	h 1, 3 k	10.74	01,*01*	B
4878	35	e 2, 1 f	9.68	*10*,10	B
4878	35	e 1, 1 f	9.63	*15*,15	B
4878	35	e 1, 2 f	9.58	*10*,10	B
4878	35	e 1, 1 f	9.63	*15*,15	B
4878	35	f 1, 2 g	10.04	*06*,06	B

105. *165030.* RR SCORPII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4878	36	f 1, 2 g	10.04	*06*,06	B
4878	40	e 1, 2 f	9.58	*10*,10	B
4878	46	f 1, 1 g	10.09	*11*,11	B
4885	10	e 3, 2 f	9.68	00,00	B
4892	10	e 2, 2 f	9.63	*05*,05	B
4892	67	e 1, 2 f	9.58	*10*,10	B
4898	74	d 2, 2 e	9.06	*13*,12	B
4904	72	d 3, 2 e	9.10	*07*,08	B
4928	65	b 3, 2 c	7.98	*02*,03	B
4942	62	b 3, 2 c	7.98	*02*,03	B
4945	56	b 3, 2 c	7.98	*02*,03	B
5071	60	g 3, 1 h	10.58	02,*03*	B
5120	10	l 2, 1 m	11.60	*05*,05	B
5121	10	l 2, 1 m	11.60	*05*,05	B
5147	61	k 2, 2 l	11.19	04,*04*	B
5148	62	k 1	11.13	A	B
5148	11	k 3, 2 l	11.24	09,*09*	B
5158	10	h 2, 2 k	10.84	01,*01*	B
5165	60	g 2, 2 h	10.48	02,*03*	B
5168	60	g 2, 2 h	10.48	02,*03*	B
5220	60	b 2, 2 c	7.94	*08*,07	B
5226	60	b 3, 2 c	7.98	*02*,03	Bi
5234	62	b 2, 2 c	7.94	*08*,07	Bi
5262	10	b 2, 1 c	7.98	*12*,13	B
5264	68	b 1, 3 c	7.84	*08*,07	Fr
“	“	b 2, 1 c	7.98	*12*,13	F
5268	11	c 3, 2 d	8.52	*01*,01	Be
“	“	b 4, 2 c	8.04	02,*03*	F
5274	63	b 2, 1 c	7.98	*12*,13	B
5278	60	b 1, 2 c	7.88	*12*,13	Bi
5287	39	2 e	9.18	A	Be
5296	10	d 1, 2 e	9.00	*17*,18	B
5308	45	d 3, 2 e	9.10	*07*,08	Lde
5310	43	d 2, 3 e	9.00	*07*,08	Lde
5317	44	e 2, 2 f	9.63	*05*,05	B
5318	51	e 1, 2 f	9.58	*10*,10	B
5486	10	c 2, 2 d	8.47	*06*,06	B
5488	60	c 2, 1 d	8.52	*11*,11	B
5517	71	a 3, 2 b	7.37	*09*,09	B
5518	46	b 2, 2 c	7.94	*08*,07	B
5526	60	b 2, 1 c	7.98	*12*,13	B
5527	60	a 3, 1 b	7.42	*14*,14	B
5527	60	b 1, 2 c	7.88	*12*,13	B
5532	60	a 3, 2 b	7.37	*09*,09	B
5532	51	a 3, 1 b	7.42	*14*,14	B
5532	10	b 2, 1 c	7.98	*12*,13	B
5533	10	b 2, 1 c	7.98	*12*,13	B
5533	60	b 2, 3 c	7.88	*02*,03	B
5540	72	b 3, 2 c	7.98	*02*,03	B
5541	10	b 2, 2 c	7.94	*08*,07	B
5542	70	b 2, 2 c	7.94	*08*,07	B
5543	61	b 2, 1 c	7.98	*12*,13	B
5544	60	b 2, 1 c	7.98	*12*,13	B
5547	65	c 2, 3 d	8.42	*01*,01	Bi
5557	62	c 2, 1 d	8.52	*11*,11	B
5560	60	b 2, 1 c	7.98	*12*,13	B
5572	60	c 2, 1 d	8.52	*11*,11	B
5575	64	c 2, 3 d	8.42	*01*,01	B
5575	60	c 2, 3 d	8.42	*01*,01	B
5577	60	c 2, 1 d	8.52	*11*,11	B
5591	60	c 2, 1 d	8.52	*11*,11	B
5604	61	e 2, 3 f	9.58	00,00	B
5605	64	d 2, 1 e	9.10	*17*,18	B
5609	66	e 2, 2 f	9.63	*05*,05	B
5609	60	e 2, 1 f	9.68	*10*,10	B
5623	10	f 1, 2 g	10.04	*06*,06	B
5632	62	h 1, 2 k	10.79	*04*,04	B
5633	70	g 1, 2 h	10.42	*03*,03	B
5634	60	g 2, 2 h	10.48	02,*03*	B
5638	60	g 1, 1 h	10.48	*08*,07	B
5667	60	h 2, 1 k	10.89	*04*,04	B
5841	60	c 2, 3 d	8.42	*01*,01	B
5842	60	c 4, 3 d	8.52	09,*09*	B
5842	79	b 4, 2 c	8.04	02,*03*	B
5842	10	b 3, 2 c	7.98	*02*,03	B
5868	10	d 2, 3 e	9.00	*07*,08	Bd
5868	60	d 2, 3 e	9.00	*07*,08	B
5870	60	d 3, 1 e	9.16	*13*,12	Bd
5872	60	d 3, 1 e	9.16	*13*,12	B
5872	60	e 1, 2 f	9.58	*10*,10	B
5873	69	d 2, 3 e	9.00	*07*,08	B
5879	60	f 3, 3 g	10.09	09,*09*	B
5885	60	e 3, 1 f	9.73	*05*,05	B
“	“	f 2, 1 g	10.14	*06*,06	B
5896	10	g 3, 2 h	10.52	08,*07*	B
5897	60	g 2, 3 h	10.42	08,*07*	B
5897	60	g 1, 2 h	10.42	*02*,03	B
5898	72	g 3, 2 h	10.52	08,*07*	B
5911	60	h 2, 3 k	10.79	06,*06*	B
5912	60	f 4, 2 g	10.19	09,*09*	B
“	“	g 2, 1 h	10.52	*02*,03	B
5914	61	h 2, 2 k	10.84	01,*01*	B
5914	66	h 2, 3 k	10.79	06,*06*	B
5914	10	g 3, 2 h	10.52	08,*07*	B
5918	11	g 2, 2 h	10.48	02,*03*	B
5918	61	g 3, 1 h	10.58	02,*03*	B
5925	62	h 2, 1 k	10.89	*04*,04	B
5925	60	h 2, 3 k	10.79	06,*06*	B
5927	60	h 2, 2 k	10.84	01,*01*	B
5927	60	h 2, 3 k	10.79	06,*06*	B
5934	60	h 3, 2 k	10.89	06,*06*	B
5940	60	h 3, 1 k	10.94	01,*01*	B
5942	60	h 3, 2 k	10.89	06,*06*	B
5943	60	h 3, 2 k	10.89	06,*06*	B
5962	12	g 2, 2 h	10.48	02,*03*	B
5973	10	g 3, 2 h	10.52	08,*07*	B
5974	60	h 3, 2 k	10.89	06,*06*	B
5977	60	h 1, 1 k	10.84	*09*,09	B
6001	10	f 3, 2 g	10.14	04,*04*	B
6006	60	f 1, 2 g	10.04	*06*,06	Bde
6008	60	f 1, 2 g	10.04	*06*,06	B
6034	60	c 2, 2 d	8.47	*06*,06	B
6177	60	g 3, 2 h	10.52	08,*07*	B
6204	71	h 3, 2 k	10.89	06,*06*	B
6221	10	k 3, 2 l	11.24	09,*09*	B
6222	62	k 2, 2 l	11.19	04,*04*	B
6222	10	k 2, 2 l	11.19	04,*04*	B
6240	60	k 2, 2 l	11.19	04,*04*	B
6241	60	k 2, 2 l	11.19	04,*04*	B
6242	60	l 1, 2 m	11.50	*05*,05	B
6253	60	k 2, 2 l	11.19	04,*04*	B
6253	60	k 3, 2 l	11.24	09,*09*	B
6254	61	k 3, 2 l	11.24	09,*09*	B
6255	60	k 2, 2 l	11.19	04,*04*	B
6264	61	k 2, 2 l	11.19	04,*04*	B
6268	61	h 2, 2 k	10.84	01,*01*	B
6268	65	h 3, 2 k	10.89	06,*06*	B
6279	60	h 1, 3 k	10.74	01,*01*	B
6279	67	g 3, 2 h	10.52	08,*07*	B
6281	62	g 1, 2 h	10.42	*02*,03	B
6282	66	g 2	10.50	A	B
6282	60	g 2, 2 h	10.48	02,*03*	B
6284	60	g 2, 2 h	10.48	02,*03*	B
6286	480	g 2, 2 h	10.48	02,*03*	B
6288	60	f 2, 2 g	10.09	*01*,01	B
6289	54	e 3	9.68	A	Be
6295	60	e 2, 2 f	9.63	*05*,05	B
6295	62	d 4, 3 e	9.10	03,*02*	B
6297	66	d 3, 2 e	9.10	*07*,08	B
6298	60	e 1, 3 f	9.53	*05*,05	B
6298	10	f 3, 3 g	10.09	09,*09*	Ber

105. *165030.* RR Scorpii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6308	69	c 2, 2 d	8.47	*06*,06	B
6311	60	d 1, 2 e	9.00	*17*,18	Be
6319	70	c 2, 2 d	8.47	*06*,06	B
6320	70	d 3, 4 e	9.00	03,*02*	B
6323	62	c 3, 1 d	8.57	*06*,06	B
6337	61	c 2, 2 d	8.47	*06*,06	B
6337	75	c 2, 3 d	8.42	*01*,01	B
6339	63	c 2, 2 d	8.47	*06*,06	B
6339	65	b 3, 1 c	8.04	*08*,07	B
“	“	c 2, 3 d	8.42	*01*,01	B
6344	64	c 2, 2 d	8.47	*06*,06	B
6359	61	b 2, 2 c	7.94	*08*,07	B
6360	10	b 3, 2 c	7.98	*02*,03	B
6361	60	a 3, 1 b	7.42	*14*,14	B
6372	60	b 3, 2 c	7.98	*02*,03	B
6376	63	b 2, 3 c	7.88	*02*,03	B
6376	60	b 4, 2 c	8.04	02,*03*	B
6379	60	c 3, 2 d	8.52	*01*,01	B
6396	64	b 3, 2 c	7.98	*02*,03	B
6558	63	h 3, 1 k	10.94	01,*01*	B
6582	62	f 3, 3 g	10.09	09,*09*	B
6583	10	g 2, 3 h	10.42	08,*07*	B
6585	54	f 3, 3 g	10.09	09,*09*	B
6587	10	f 2, 2 g	10.09	*01*,01	B
6589	67	f 2, 3 g	10.04	04,*04*	B
6593	65	e 3, 2 f	9.68	00,00	B
6593	61	e 3, 1 f	9.73	*05*,05	B
6604	60	e 2, 3 f	9.58	00,00	B
6605	10	d 4, 2 e	9.16	*03*,02	B
6606	10	d 2, 3 e	9.00	*07*,08	B
6606	60	d 3, 1 e	9.16	*13*,12	Bd
6606	60	d 3, 2 e	9.10	*07*,08	B
6608	62	d 3, 3 e	9.06	*03*,02	B
6608	60	d 2, 3 e	9.00	*07*,08	B
6608	60	d 4, 2 e	9.16	*03*,02	B
6615	60	d 1, 4 e	8.90	*07*,08	B
6615	60	d 4, 3 e	9.10	03,*02*	B
6620	60	d 1, 3 e	8.96	*13*,12	B
6622	62	d 3, 2 e	9.10	*07*,08	B
6625	10	c 2, 1 d	8.52	*11*,11	B
6625	60	c 2, 2 d	8.47	*06*,06	B
6626	13	b 3, 2 c	7.98	*02*,03	B
6626	10	b 3, 2 c	7.98	*02*,03	B
6632	10	b 2, 1 c	7.98	*12*,13	B
6634	61	b 3, 2 c	7.98	*02*,03	B
6635	10	b 2, 1 c	7.98	*12*,13	B
6636	60	b 2, 1 c	7.98	*12*,13	B
	m.				
6638	69	b 3, 2 c	7.98	*02*,03	B
6639	62	c 2, 1 d	8.52	*11*,11	B
6644	60	b 3, 2 c	7.98	*02*,03	B
6650	60	b 3, 1 c	8.04	*08*,07	B
6652	63	b 3, 2 c	7.98	*02*,03	B
6663	60	b 3, 1 c	8.04	*08*,07	B
6664	64	b 3, 2 c	7.98	*02*,03	B
6669	61	b 2, 1 c	7.98	*12*,13	B
6671	61	b 3, 1 c	8.04	*08*,07	B
6683	69	b 3, 2 c	7.98	*02*,03	B
6691	75	c 2, 3 d	8.42	*01*,01	B
6694	61	c 2, 1 d	8.52	*11*,11	Bd
6707	60	d 1, 3 e	8.96	*13*,12	B
6711	62	d 2, 3 e	9.00	*07*,08	B
6726	61	e 3, 2 f	9.68	00,00	B
6730	65	f 3, 2 g	10.14	04,*04*	B
6744	60	g 2, 1 h	10.52	*02*,03	B
6760	60	h 3, 2 k	10.89	06,*06*	B
6918	64	c 3, 2 d	8.52	*01*,01	B
6922	62	c 3, 2 d	8.52	*01*,01	B
6922	60	c 2, 3 d	8.42	*01*,01	B
6933	60	b 3, 2 c	7.98	*02*,03	B
6934	10	c 2, 1 d	8.52	*11*,11	B
6935	60	b 3, 1 c	8.04	*08*,07	B
6938	60	b 2, 1 c	7.98	*12*,13	B
6941	11	c 1, 2 d	8.42	*11*,11	B
6943	63	b 3, 2 c	7.98	*02*,03	B
6943	65	b 3, 2 c	7.98	*02*,03	B
6948	10	c 1, 3 d	8.37	*06*,06	B
6960	59	c 1, 2 d	8.42	*11*,11	B
6967	60	c 1, 2 d	8.42	*11*,11	B
6968	71	c 1, 3 d	8.37	*06*,06	B
6972	65	c 2, 3 d	8.42	*01*,01	B
6976	61	c 3, 2 d	8.52	*01*,01	B
6979	62	c 3, 2 d	8.52	*01*,01	B
6979	60	c 2, 1 d	8.52	*11*,11	B
6988	60	d 2, 3 e	9.00	*07*,08	B
6999	68	d 3, 3 e	9.06	*03*,02	B
7004	60	e 3, 2 f	9.68	00,00	B
7006	60	e 3, 2 f	9.68	00,00	B
7007	61	e 1, 3 f	9.53	*05*,05	B
7009	60	f 2, 3 g	10.04	04,*04*	B
7009	60	e 2, 1 f	9.68	*10*,10	B
7032	70	f 2, 1 g	10.14	*06*,06	B
7032	62	g 2, 3 h	10.42	08,*07*	B
7037	60	g 3, 3 h	10.48	12,*13*	B
7037	11	g 2, 1 h	10.52	*02*,03	B
	m.				
7066	67	h 3, 2 k	10.89	06,*06*	B
7069	10	l 2, 2 m	11.55	00,00	B
7075	10	k 2	11.23	A	B
7076	66	k 1, 2 l	11.14	*01*,01	B
7077	60	l 2, 1 m	11.60	*05*,05	B
7077	64	k 3, 1 l	11.29	04,*04*	B
7080	60	k 3, 1 l	11.29	04,*04*	B
7095	10	l 2, 3 m	11.50	05,*05*	B
7097	63	k 3, 2 l	11.24	09,*09*	B
7098	10	l 2, 3 m	11.50	05,*05*	B
7124	78	h 2, 3 k	10.79	06,*06*	B

107. *165636.* RT Scorpii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1157	10	l 2, N	*11.1*		B
1189	61	t 3	13.31	A	B
1452	47	d 1, 5 e	9.09	15,*15*	F
“	“	d 3, 2 e	9.34	10,*10*	B
1517	10	m 2, 1 n	11.38	10,*10*	B
1533	60	o 3, 1 q	11.86	07,*08*	F
“	“	p 2, 2 q	12.02	06,*06*	B
1540	64	p 1, 2 q	11.97	01,*01*	B
1542	60	q 3, 3 r	12.31	15,*15*	B
1616	60	t 3	13.31	A	B
1871	10	f 1, 3 m	11.02	04,*04*	F
“	“	l 3, 3 m	11.12	14,*14*	B
1871	10	g 6, 0 l, 4 m	10.85	*14*,11, 03	F
“	“	k 1, 3 l	10.72	06,*06*	B
1873	10	k 2, 2 l	10.82	06,*06*	Bd
1873	10	g 5, 1 l, 4 m	10.78	*17*,08, 10	F
“	“	h 2, 1 k	10.50	*07*,08	B
1882	10	g 3, 2 h	10.22	19,*19*	B
2236	20	q 2, 2 r	12.31	05,*05*	B
2321	*62*	c 3, 3 d	9.04	20,*20*	B
2333	*58*	c 2, 1 d	9.09	05,*05*	B
2378	10	h 2, 1 k	10.50	*07*,08	B
2582	10	r 2	12.66	A	B
2591	11	t 2, N	*13.2*		B
2631	120	t 3, 2 u	13.21	10,*10*	B
2677	10	s 1	12.81	A	B
2963	11	t 3	13.31	A	B
2963	32	t 2, 2 u	13.16	05,*05*	B
3065	30	t 2	13.21	A	B
3247	10	g 1, 2 h	10.12	09,*09*	Bd

107. *165636.* RT Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3247	30	e 1, 2 f	9.56	*02*,03	B
"	"	f 2, 1 g	10.00	*01*,01	B
3258	10	h 2, 3 k	10.40	03,*02*	B
3258	30	h 2, 1 k	10.50	*07*,08	B
3290	10	m 2, 2 n	11.33	15,*15*	B
3290	31	n 1, 2 o	11.46	02,*03*	B
3325	11	q 3, 3 r	12.31	15,*15*	B
3325	10	q 2, 2 r	12.31	05,*05*	B
3325	10	r 3, 3 s	12.58	18,*17*	B
3346	10	q 3, 2 r	12.36	10,*10*	B
"	"	r 1, 2 s	12.54	02,*03*	B
3346	10	s 3, 2 t	12.91	10,*10*	B
3376	34	s 2, 2 t	12.86	05,*05*	B
3376	30	t 2, 2 u	13.16	05,*05*	B
3376	10	s 2	12.91	A	B
3383	10	s 3, 1 t	12.96	05,*05*	B
3409	10	r 3, 2 s	12.64	12,*13*	B
3444	10	t 2	13.21	A	B
3621	27	u 1, 2 w	13.34	07,*06*	B
3656	40	k 2, 1 l	10.87	01,*01*	B
3656	22	l 2, 2 m	11.12	04,*04*	B
3672	11	k 2, 2 l	10.82	06,*06*	B
3684	30	k 2, 2 l	10.82	06,*06*	B
3684	10	l 2, 3 m	11.07	09,*09*	B
3694	25	l 2, 3 m	11.07	09,*09*	B
3702	28	l 2, 3 m	11.07	09,*09*	B
3702	18	l 3, 3 m	11.12	14,*14*	B
3710	15	l 3, 1 m	11.22	04,*04*	B
3713	11	l 3	11.26	A	B
3721	11	o 1, 2 p	11.70	03,*02*	B
3728	14	n 1	11.48	A	B
3738	12	o 2, 2 p	11.76	07,*08*	B
3743	27	q 3, 2 r	12.36	10,*10*	B
3751	30	q 4, 1 r	12.46	10,*10*	B
3752	60	r 3, 3 s	12.58	18,*17*	B
3758	25	r 2, 3 s	12.54	12,*13*	B
3779	25	s 3, 2 t	12.91	10,*10*	B
3783	60	t 3, 1 u	13.26	05,*05*	B
3787	11	t 2	13.21	A	B
"	"	s 1, 2 t	12.81	00,00	B
3797	20	t 3	13.31	A	B
"	"	s 2, 2 t	12.86	05,*05*	B
3833	26	t 3	13.31	A	B
3860	28	r 2, 2 s	12.58	08,*07*	B
"	"	s 2, 3 t	12.81	10,*10*	B
3954	15	t 3	13.31	A	B
4022	11	s 1, N	*12.8*		B
4037	11	r 1, 3 s	12.48	08,*07*	B
4037	12	r 1, 1 s	12.58	*02*,03	B
4055	10	n 2, 3 o	11.46	12,*13*	B
4057	11	n 1, 2 o	11.46	02,*03*	B
4067	10	k 3, 2 l	10.87	11,*11*	B
4069	15	k 2, 2 l	10.82	06,*06*	B
4070	15	h 2, 1 k	10.50	*07*,08	B
4070	12	h 3, 2 k	10.50	03,*02*	B
4083	10	d 3, 3 e	9.29	15,*15*	B
4084	12	d 2, 1 e	9.34	00,00	B
4084	11	d 3, 2 e	9.34	10,*10*	B
4085	13	e 1, 2 f	9.56	*02*,03	B
4086	10	e 1, 2 f	9.56	*02*,03	B
4107	10	d 2, 3 e	9.24	10,*10*	B
4108	10	d 3, 3 e	9.29	15,*15*	Be
4108	11	f 2, 3 g	9.90	09,*09*	B
4147	10	h 2, 3 k	10.40	03,*02*	B
4161	60	l 2, 2 m	11.12	04,*04*	B
4181	5	o 2, 1 p	11.80	03,*02*	B
4181	10	o 2, 3 p	11.70	13,*12*	B
4190	10	q 2, 2 r	12.31	05,*05*	B
4377	10	r 1, N	*12.5*		B
4412	10	s 2, 1 t	12.91	00,00	B
4435	12	t 1, 3 u	13.06	05,*05*	B
4448	11	t 3	13.31	A	B
4479	25	s 2, 3 t	12.81	10,*10*	B
4536	10	l 2, 3 m	11.07	09,*09*	B
4538	10	k 2, 2 l	10.82	06,*06*	B
4548	10	l 1, 3 m	11.02	04,*04*	B
4766	10	s 1, N	*12.8*		B
4815	*287*	u 1	13.41	A	B
4822	10	t 2, 2 u	13.16	05,*05*	B
4862	71	n 1, 2 o	11.46	02,*03*	B
5110	60	q 3, 2 r	12.36	10,*10*	B
5120	10	r 3, 2 s	12.64	12,*13*	B
5158	10	s 1, N	*12.8*		B
5268	11	t 3, N	*13.3*		B
5488	60	l 2, 3 m	11.07	09,*09*	B
5532	60	n 2, 1 o	11.56	02,*03*	B
5532	10	p 2, 1 q	12.07	01,*01*	B
"	"	o 3, 1 p	11.86	07,*08*	B
5533	10	n 3, 2 o	11.56	12,*13*	B
"	"	o 2, 1 p	11.80	03,*02*	B
5533	60	n 2	11.58	A	B
5557	62	q 3, 3 r	12.31	15,*15*	B
5560	60	p 2, 2 q	12.02	06,*06*	Bd
5599	69	q 3, 2 r	12.36	10,*10*	B
5599	69	r 3, 2 s	12.64	12,*13*	Br
5620	10	s 3, 2 t	12.91	10,*10*	B
5639	60	w 2, N	*13.6*		B
5842	10	t 1, N	*13.1*		B
5868	10	q 2	12.36	A	B
5868	60	o 2	11.83	A	B
5870	60	n 2, 2 o	11.50	08,*07*	B
5879	60	l 3, 2 m	11.17	09,*09*	B
5885	60	h 3, 2 k	10.50	03,*02*	B
5896	10	g 2, 1 h	10.22	09,*09*	Bd
5897	60	g 3, 2 h	10.22	19,*19*	B
5897	60	h 3, 2 k	10.50	03,*02*	B
5912	60	h 3, 3 k	10.46	07,*08*	B
5914	66	f 2, 2 g	9.95	04,*04*	B
5918	61	h 3, 3 k	10.46	07,*08*	B
5918	11	g 1, 2 h	10.12	09,*09*	B
5925	60	g 3, 2 h	10.22	19,*19*	B
5927	60	h 3, 2 k	10.50	03,*02*	B
5933	60	h 3, 3 k	10.46	07,*08*	B
5934	60	h 3, 2 k	10.50	03,*02*	B
5934	60	h 1, 2 k	10.40	*07*,08	B
5940	60	h 3, 2 k	10.50	03,*02*	B
5942	60	k 2, 1 l	10.87	01,*01*	B
5942	60	h 3, 2 k	10.50	03,*02*	B
5943	60	h 3, 2 k	10.50	03,*02*	B
5956	60	k 3, 2 l	10.87	11,*11*	B
5960	383	l 3, 2 m	11.17	09,*09*	B
5973	11	k 2, 1 l	10.87	01,*01*	Bd
5974	60	o 2, 3 p	11.70	13,*12*	B
6001	10	o 1, 2 p	11.70	03,*02*	B
"	"	p 2, 2 q	12.02	06,*06*	B
6183	61	s 2, 2 t	12.86	05,*05*	B
6204	71	r 2, 2 s	12.58	08,*07*	B
6221	10	s 1, N	*12.8*		B
6286	480	l 2, 2 m	11.12	04,*04*	B
6319	70	n 2, 1 o	11.56	02,*03*	B
6320	70	l 3, 1 m	11.22	04,*04*	B
6323	62	h 2, 1 k	10.50	*07*,08	B
6337	75	g 2, 1 h	10.22	09,*09*	B
6339	65	g 2, 2 h	10.17	14,*14*	B
6344	64	e 3, 1 f	9.72	02,*03*	B
6359	61	f 2, 1 g	10.00	*01*,01	B
6360	10	f 2, 3 g	9.90	09,*09*	B
6361	10	e 2, 2 f	9.62	02,*03*	B
6361	60	e 2, 2 f	9.62	02,*03*	B
6372	60	e 2, 2 f	9.62	02,*03*	B
6376	60	e 2, 1 f	9.66	*02*,03	B

107. *165636.* RT Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6376	63	e 2, 2 f	9.62	02,*03*	B
6379	60	f 1, 2 g	9.90	*01*,01	B
6396	64	g 2, 1 h	10.22	09,*09*	B
6587	10	t 1, N	*13.1*		B
6668	60	w 1, N	*13.5*		B
6941	10	s 1, N	*12.8*		B
7037	10	s 1, N	*12.8*		B
7096	10	s 1, N	*12.8*		B

108. *170833.* RW Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1187	60	n 3	13.41	A	F
1189	61	n 4, 1 o	13.48	03,*04*	F
1452	47	1 g, 6 h	11.01	04,*04*	Fr
1517	10	k 3, 1 l	12.19	04,*04*	F
1526	35	k 2, 2 l	12.09	04,*04*	B
1533	60	k 3, 1 l	12.19	04,*04*	F
1540	64	m 2, 3 n	12.85	04,*04*	F
1542	60	l 3, 1 m	12.57	*02*,02	F
1616	60	p 3, N	*14.1*		F
1871	10	g 5, 0 h, 4 k	11.58	07,*01*, *05*	F
1871	10	g 5, 0 h, 4 k	11.58	07,*01*, *05*	F
1873	10	g 3, 1 h	11.46	*01*,01	Fe
2236	11	e 5, 1 f	10.57	00,00	F
2236	20	e 5, 1 f	10.57	00,00	F
2263	10	g 3, 2 h	11.41	04,*04*	F
2378	10	l 1, N	*12.3*		F
2581	10	g 2, 3 h	11.31	04,*04*	F
2582	10	g 2, 4 h	11.26	09,*09*	F
2591	11	g 1, 4 h	11.21	04,*04*	F
2677	10	l 2, 3 m	12.42	03,*03*	B
2945	10	k 2, 2 l	12.09	04,*04*	F
2963	32	g 4, 2 h	11.46	09,*09*	F
2972	10	g 2, 2 h	11.36	*01*,01	F
2994	14	g 2, 2 h	11.36	*01*,01	F
3055	10	l 2, 3 m	12.42	03,*03*	F
3290	10	n 1	13.21	A	F
3290	31	n 1	13.21	A	F
3325	11	e 2, 4 f	10.27	00,00	F
3325	10	e 2, 4 f	10.27	00,00	F
3325	10	e 3, 3 f	10.37	00,00	F
3337	*60*	d 2, 3 e	9.76	*01*,01	F
3346	10	c 3, 1 d	9.40	*05*,05	F
3346	10	c 4, 0 d, 5 e	9.52	*07*,03, 05	F
3346	12	d 1, 5 e	9.61	04,*04*	F
3348	10	c 4, 1 d	9.45	00,00	F
3359	*61*	d 1, 3 e	9.71	*06*,06	F
3376	34	d 4, 2 e	9.91	04,*04*	F
3376	20	d 3, 2 e	9.86	*01*,01	F
3376	30	d 4, 2 e	9.91	04,*04*	F
3376	10	d 3, 3 e	9.81	04,*04*	F
3383	10	e 2, 4 f	10.27	00,00	F
3383	10	d 5, 0 e, 5 f	10.10	*05*,*03*, 07	F
3393	*60*	e 3, 2 f	10.42	*05*,05	F
3409	10	e 5, 1 f	10.57	00,00	F
3409	10	e 4, 0 f, 4 g	10.63	*16*,04, 12	F
3465	10	l 2, 2 m	12.47	*02*,02	B
3684	30	n 2	13.31	A	B
3684	10	n 3	13.41	A	B
3702	18	o 2, 1 p	13.76	*02*,03	B
3710	15	l 2, 1 m	12.52	*07*,07	B
3713	11	k 2, 1 l	12.14	*01*,01	B
3714	30	l 2, 2 m	12.47	*02*,02	B
3721	11	k 2, 1 l	12.14	*01*,01	B
3727	19	h 2, 2 k	11.75	02,*02*	B
3728	14	g 3, 2 h	11.41	04,*04*	B
3730	18	g 2, 1 h	11.41	*06*,06	Be
3738	12	g 3, 2 h	11.41	04,*04*	B
3741	12	g 2, 3 h	11.31	04,*04*	B
3743	27	g 3, 2 h	11.41	04,*04*	B
3751	30	g 3, 2 h	11.41	04,*04*	B
3751	15	g 1, 3 h	11.26	*01*,01	B
3758	25	g 3, 3 h	11.36	09,*09*	B
3758	10	g 2, 2 h	11.36	*01*,01	B
3779	25	h 2, 2 k	11.75	02,*02*	B
3782	15	g 3, 2 h	11.41	04,*04*	B
3787	11	k 2, 1 l	12.14	*01*,01	B
“	“	h 2, 1 k	11.80	*03*,03	B
3797	11	h 2, 1 k	11.80	*03*,03	B
3797	20	k 2, 2 l	12.09	04,*04*	B
3797	11	k 1, 1 l	12.09	*06*,06	B
3818	12	l 2, 1 m	12.52	*07*,07	B
3833	26	m 2, 2 n	12.90	*01*,01	B
3860	28	o 1	13.64	A	B
3954	15	o 2	13.74	A	B
3990	25	o 1, N	*13.6*		B
4037	12	o 3	13.84	A	B
4057	11	p 2, N	*14.0*		B
4084	12	o 1	13.64	A	B
4084	11	o 2	13.74	A	B
4107	10	g 3, 1 h	11.46	*01*,01	B
4108	10	g 1, 2 h	11.31	*06*,06	B
4108	11	g 3, 2 h	11.41	04,*04*	B
4147	10	g 3, 2 h	11.41	04,*04*	B
4163	70	h 1, 2 k	11.70	*03*,03	B
4181	5	k 2, 2 l	12.09	04,*04*	B
4181	10	h 1, 2 k	11.70	*03*,03	B
4186	10	h 1, 2 k	11.70	*03*,03	B
4435	12	n 3, 1 o	13.42	*01*,02	B
4448	11	n 2, 1 o	13.38	*07*,06	B
4461	10	m 2	12.89	A	B
4479	25	e 2, 2 f	10.37	*10*,10	B
4536	10	e 1, 2 f	10.32	*15*,15	B
4538	10	e 3, 2 f	10.42	*05*,05	B
4548	10	e 3, 2 f	10.42	*05*,05	B
4570	10	f 2, 1 g	10.96	*09*,09	B
4823	10	n 2, N	*13.3*		Bd
4832	10	o 3, N	*13.8*		B
4891	10	g 3, 2 h	11.41	04,*04*	B
4892	10	g 2, 2 h	11.36	*01*,01	B
5110	60	o 1, N	*13.6*		B
5172	65	o 1	13.64	A	B
5262	10	q 2, 3 r	14.32	02,*03*	B
5488	60	o 1	13.64	A	B
5599	69	o 2	13.74	A	B
5619	10	p 1, N	*13.9*		B
5942	60	p 1, N	*13.9*		B
5943	60	p 1, N	*13.9*		B
5964	122	o 1, 2 p	13.66	*02*,03	B
6001	10	n 3, 2 o	13.38	03,*04*	B
6204	71	n 2, 1 o	13.38	*07*,06	B
6222	10	o 2	13.74	A	Bd
6286	480	h 2, 1 k	11.80	*03*,03	B
6337	75	k 2, 1 l	12.14	*01*,01	B
6379	60	p 2, N	*14.0*		B
6583	10	m 2, 2 n	12.90	*01*,01	B
6620	60	m 3, 2 n	12.95	04,*04*	Bd
6625	60	l 1, 1 m	12.47	*12*,12	B
6636	60	l 1, 1 m	12.47	*12*,12	B
6650	60	k 2, 1 l	12.14	*01*,01	B
6668	60	o 2, 1 p	13.76	*02*,03	Bd
6694	61	n 2	13.31	A	B
6918	64	f 2, 3 g	10.86	01,*01*	B
6922	62	e 2, 2 f	10.37	*10*,10	B
6922	60	e 3, 2 f	10.42	*05*,05	B

108. *170833*. RW Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6933	60	e 3, 1 f	10.47	*10*,10	B
6935	60	f 1, 2 g	10.86	*09*,09	B
6938	60	f 2, 2 g	10.91	*04*,04	B
6941	10	f 2, 1 g	10.96	*09*,09	B
6943	63	g 2, 1 h	11.41	*06*,06	B
6943	65	g 2, 1 h	11.41	*06*,06	B
6948	10	g 2, 1 h	11.41	*06*,06	B
6968	71	h 2, 2 k	11.75	02,*02*	B
6979	62	n 2	13.31	A	B
6988	60	n 3	13.41	A	B
7007	61	m 2, 1 n	12.95	*06*,06	B
7009	60	h 2, 1 k	11.80	*03*,03	Bd
7009	60	k 2, 2 l	12.09	04,*04*	B
7096	10	n 1, N	*13.2*		B

109. 171401. Z Ophiuchi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
0780	20	l 1, 2 m	11.83	*03*,03	B
1581	17	e 4, 2 f	9.74	*06*,06	B
1608	16	e 4, 2 f	9.74	*06*,06	B
1871	12	d 4, 2 e	9.08	00,00	B
1871	10	d 4, 2 e	9.08	00,00	B
1881	10	d 5, 2 e	9.13	05,*05*	B
1931	9	e 2, 4 f	9.49	*01*,01	B
1965	10	e 5, 1 f	9.79	*01*,01	B
1965	10	g 2, 2 h	10.62	*02*,02	B
"	"	f 2, 2 g	10.15	*05*,05	B
1965	11	e 4, 1 f	9.74	*06*,06	B
1985	11	g 3, 1 h	10.72	*02*,02	B
1996	10	g 2, 1 h	10.67	*07*,07	B
2263	24	d 3, 2 e	9.03	*05*,05	Bd
2291	15	e 4, 2 f	9.69	*01*,01	Be
2303	15	e 4, 2 f	9.69	*01*,01	B
2347	13	g 3, 1 h	10.72	*02*,02	B
2347	18	g 3, 1 h	10.72	*02*,02	B
2581	10	d 1, 4 e	8.83	*05*,05	B
2591	10	d 3	8.98	A	Be
2627	64	e 1, 2 f	9.54	*16*,16	B
2635	18	e 1, 2 f	9.54	*16*,16	B
2644	11	e 2, 2 f	9.59	*11*,11	B
2647	12	e 3, 2 f	9.64	*06*,06	B
2664	13	e 3, 2 f	9.64	*06*,06	B
2666	10	e 2, 2 f	9.59	*11*,11	B
2669	14	e 3, 1 f	9.69	*11*,11	B
2672	10	f 2, 3 g	10.10	00,00	B
2679	10	g 2, 2 h	10.62	*02*,02	B
2685	16	f 3, 1 g	10.25	*05*,05	Bp
2686	15	g 2, 3 h	10.57	03,*03*	B
2702	10	h 2, 2 k	11.08	*04*,04	B
2702	3	g 2, 1 h	10.67	*07*,07	B
"	"	h 2, 1 k	11.13	*09*,09	B
2945	10	d 3, 3 e	8.98	00,00	B
2951	10	d 3, 3 e	8.98	00,00	B
2964	16	e 2, 3 f	9.54	*06*,06	B
2970	11	e 2, 1 f	9.64	*16*,16	Bd
2971	14	e 2, 2 f	9.59	*11*,11	B
2975	*65*	e 1	9.38	A	Be
3000	16	e 2, 1 f	9.64	*16*,16	B
3047	*68*	h 1	10.94	A	B
3057	13	k 3, 2 l	11.56	06,*06*	B
3247	10	e 2, 1 f	9.64	*16*,16	B
3289	18	e 3, 2 f	9.64	*06*,06	B
3300	16	e 1, 2 f	9.54	*16*,16	Bd
3316	15	e 2, 1 f	9.64	*16*,16	B
3336	*76*	e 2, 2 f	9.59	*11*,11	B
3346	10	f 3, 2 g	10.20	00,00	B
3355	11	g 2, 2 h	10.62	*02*,02	B
3363	30	g 2, 2 h	10.62	*02*,02	Bp
3383	15	h 1, 2 k	11.03	*09*,09	B
3383	10	h 2, 2 k	11.08	*04*,04	B
3385	9	g 3, 2 h	10.67	03,*03*	B
3385	10	h 1, 3 k	10.98	*04*,04	B
3422	11	l 3, 3 m	11.88	12,*12*	B
3436	12	m 3, 2 n	12.31	05,*05*	B
3441	14	m 2, 2 n	12.26	00,00	B
3586	10	d 2, 1 e	9.03	*15*,15	B
3614	14	d 2, 1 e	9.03	*15*,15	B
3643	10	e 1, 2 f	9.54	*16*,16	B
3672	19	f 3, 2 g	10.20	00,00	B
3707	11	g 3, 2 h	10.67	03,*03*	B
3710	11	g 1, 2 h	10.57	*07*,07	B
3729	12	h 3, 1 k	11.18	*04*,04	B
3730	14	h 3, 2 k	11.13	01,*01*	B
3741	25	k 3, 3 l	11.51	11,*11*	B
3742	13	k 3, 2 l	11.56	06,*06*	B
3759	9	l 3, 2 m	11.93	07,*07*	B
3791	11	m 2	12.26	A	B
3826	11	n 1	12.56	A	B
3937	10	e 3, 2 f	9.64	*06*,06	B
3972	13	e 2, 2 f	9.59	*11*,11	Bp
3998	10	d 2, 3 e	8.93	*05*,05	B
4049	15	f 3, 3 g	10.15	05,*05*	B
4063	17	g 2, 3 h	10.57	03,*03*	B
4067	10	g 3, 3 h	10.62	08,*08*	B
4069	13	g 3, 3 h	10.62	08,*08*	B
4085	10	h 3, 2 k	11.13	01,*01*	B
4091	10	h 3, 2 k	11.13	01,*01*	B
4108	11	k 2, 1 l	11.56	*04*,04	B
4114	10	k 2, 2 l	11.51	01,*01*	B
4142	14	m 3, 3 n	12.26	10,*10*	B
4174	10	m 3, 2 n	12.31	05,*05*	B
4177	12	l 4	12.10	A	Br
4183	10	n 1, 2 o	12.56	00,00	B
4327	17	d 1, 3 e	8.88	*10*,10	B
4350	*60*	e 2, 3 f	9.54	*06*,06	B
4355	52	e 2, 3 f	9.54	*06*,06	B
4373	10	e 1, 2 f	9.54	*16*,16	Bd
4382	11	f 1, 3 g	10.05	*05*,05	B
4387	15	e 3, 2 f	9.64	*06*,06	B
4424	16	h 1, 3 k	10.98	*04*,04	B
4437	10	h 3, 2 k	11.13	01,*01*	B
4471	11	k 3, 1 l	11.61	01,*01*	B
4508	10	l 1	11.80	A	B
4562	10	l 4, 2 m	11.98	12,*12*	B
4570	10	n 1, N	*12.5*		B
4719	93	e 2, 2 f	9.59	*11*,11	B
4757	103	g 2, 1 h	10.67	*07*,07	B
4766	66	g 2, 2 h	10.62	*02*,02	B
4767	59	g 2, 1 h	10.67	*07*,07	Bd
4777	10	g 3, 1 h	10.72	*02*,02	B
4778	11	g 3, 2 h	10.67	03,*03*	B
4814	12	k 1, 3 l	11.41	01,*01*	B
4825	14	k 3, 2 l	11.56	06,*06*	B
4833	10	l 3, 2 m	11.93	07,*07*	B
4841	11	l 3, 1 m	11.98	02,*02*	B
4861	10	n 2	12.66	A	B
4862	10	n 2, 1 o	12.66	00,00	B
4874	24	m 2, 1 n	12.31	*05*,05	B
4940	60	h 1, N	*10.9*		B
5076	71	e 4, 2 f	9.69	*01*,01	B
5077	57	e 3, 3 f	9.59	*01*,01	B
5110	66	f 3, 3 g	10.15	05,*05*	B
5119	66	g 2, 2 h	10.62	*02*,02	B
5120	10	g 3, 2 h	10.67	03,*03*	B
5126	61	g 2, 1 h	10.67	*07*,07	B
5158	11	h 3, 2 k	11.13	01,*01*	B
5203	60	m 2, 2 n	12.26	00,00	B
5222	60	n 2, 1 o	12.71	*05*,05	B
5261	20	l 2, 2 m	11.88	02,*02*	B
5266	10	m 1, 1 n	12.26	*10*,10	B

109. 171401. Z Ophiuchi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5266	10	m 2, 3 n	12.21	05,*05*	B
5296	12	k 2, 1 l	11.56	*04*,04	B
5425	12	e 3, 2 f	9.64	*06*,06	B
5430	65	e 3, 2 f	9.64	*06*,06	B
5465	76	g 1, 3 h	10.52	*02*,02	B
5485	10	g 3, 3 h	10.62	08,*08*	B
5518	76	k 2	11.52	A	B
5523	10	h 3, 3 k	11.08	06,*06*	B
5532	10	k 1, 2 l	11.46	*04*,04	B
5533	65	l 1	11.80	A	Br
5542	10	k 2, 1 l	11.56	*04*,04	B
5543	12	k 2, 3 l	11.46	06,*06*	B
5578	30	k 2, 2 l	11.51	01,*01*	Bp
5578	12	l 3, 2 m	11.93	07,*07*	B
5590	19	l 3, 3 m	11.88	12,*12*	B
5599	18	k 2, 2 l	11.51	01,*01*	B
5602	61	l 1, 3 m	11.78	02,*02*	B
5603	65	k 2, 1 l	11.56	*04*,04	B
5620	70	h 2, 2 k	11.08	*04*,04	B
5623	12	h 2, 2 k	11.08	*04*,04	B
5636	16	g 3, 3 h	10.62	08,*08*	B
5649	11	g 2, 3 h	10.57	03,*03*	B
5654	73	f 3, 2 g	10.20	00,00	B
5662	58	e 3	9.58	A	B
5663	10	e 2, 1 f	9.64	*16*,16	B
5668	60	e 3, 2 f	9.64	*06*,06	B
5668	10	e 2, 1 f	9.64	*16*,16	B
5669	74	e 2, 1 f	9.64	*16*,16	B
5674	70	e 3, 3 f	9.59	*01*,01	B
5832	54	g 2, 2 h	10.62	*02*,02	B
5842	79	g 2, 1 h	10.67	*07*,07	Bd
5854	87	h 3	11.14	A	B
5855	10	k 3, 2 l	11.56	06,*06*	B
5858	15	k 2, 3 l	11.46	06,*06*	B
5866	60	h 3	11.14	A	B
5868	10	k 3, 1 l	11.61	01,*01*	B
5869	10	k 2, 1 l	11.56	*04*,04	B
5885	10	l 1, 2 m	11.83	*03*,03	B
5885	10	l 2, 2 m	11.88	02,*02*	B
5896	10	m 2, 2 n	12.26	00,00	B
5896	10	l 3, 2 m	11.93	07,*07*	B
5960	60	n 3	12.76	A	B
"	"	n 2, 0 o	12.71	*05*,05	B
6006	10	h 3, 2 k	11.13	01,*01*	B
6006	10	k 2, 1 l	11.56	*04*,04	B
6015	10	h 3	11.14	A	B
6052	5	e 2, 3 f	9.54	*06*,06	B
6170	70	g 2, 2 h	10.62	*02*,02	B
6222	11	l 1, 3 m	11.78	02,*02*	B
6224	82	h 3	11.14	A	B
6242	11	m 2, 2 n	12.26	00,00	B
6268	10	n 1, 2 o	12.61	*05*,05	B
6311	74	n 3, 1 o	12.71	05,*05*	B
6319	86	n 2, 1 o	12.71	*05*,05	B
6337	73	l 3, 1 m	11.98	02,*02*	B
6361	62	h 4, 2 k	11.18	06,*06*	B
6376	62	f 3, 2 g	10.20	00,00	B
6382	82	e 3, 2 f	9.64	*06*,06	B
6388	59	e 1, 3 f	9.49	*11*,11	B
6402	73	d 4, 3 e	9.03	05,*05*	B
6410	110	d 2, 2 e	8.98	*10*,10	B
6583	10	l 2	11.90	A	B
6604	10	m 1, 1 n	12.26	*10*,10	B
6605	10	m 3, 2 n	12.31	05,*05*	B
6606	10	m 1	12.16	A	B
6608	10	l 4, 2 m	11.98	12,*12*	B
6626	10	m 2, 2 n	12.26	00,00	B
6636	60	l 1, 3 m	11.78	02,*02*	B
6650	13	l 4, 2 m	11.98	12,*12*	B
6663	10	l 3, 2 m	11.93	07,*07*	B
6666	16	l 3, 2 m	11.93	07,*07*	B
6670	36	l 4, 2 m	11.98	12,*12*	B
6675	60	h 1, 2 k	11.03	*09*,09	B
6683	64	h 3, 2 k	11.13	01,*01*	B
6692	10	h 2, 3 k	11.03	01,*01*	B
6694	64	h 4, 2 k	11.18	06,*06*	B
6695	10	g 3, 2 h	10.67	03,*03*	B
"	"	g 3, 0 h, 2 k	10.89	*19*,*05*, 23	B
6697	60	h 2, 2 k	11.08	*04*,04	B
6711	66	g 1, 2 h	10.57	*07*,07	B
6716	10	f 3, 2 g	10.20	00,00	B
6725	60	e 4, 2 f	9.69	*01*,01	B
6730	60	e 4, 3 f	9.64	04,*04*	B
6740	70	e 2, 3 f	9.54	*06*,06	B
6741	10	e 2, 3 f	9.54	*06*,06	B
6754	63	d 4, 3 e	9.03	05,*05*	B
6758	75	d 3, 2 e	9.03	*05*,05	B
6759	60	d 4, 2 e	9.08	00,00	B
6767	60	d 4, 2 e	9.08	00,00	B
6872	45	e 2, 3 f	9.54	*06*,06	B
6907	67	h 2, 1 k	11.13	*09*,09	B
6958	12	n 2, N	*12.6*		B
6988	10	m 2, 3 n	12.21	05,*05*	B
7006	12	m 3, 3 n	12.26	10,*10*	B
7017	64	l 4, 2 m	11.98	12,*12*	B
7037	10	l 1, 3 m	11.78	02,*02*	B
7062	19	g 2, 2 h	10.62	*02*,02	Bd
7062	58	g 3, 1 h	10.72	*02*,02	B
7075	60	e 4, 3 f	9.64	04,*04*	B
7080	60	e 2, 3 f	9.54	*06*,06	B
7084	60	d 3, 2 e	9.03	*05*,05	B
7095	10	d 3, 1 e	9.08	*10*,10	B
7097	60	d 3, 2 e	9.03	*05*,05	B
7105	60	c 3, 2 d	8.44	*04*,04	B
7107	60	d 3, 3 e	8.98	00,00	B
7112	60	d 2, 3 e	8.93	*05*,05	B
7119	45	c 2, 2 d	8.39	*09*,09	B
7120	63	d 3, 4 e	8.93	05,*05*	B
7124	61	d 3, 3 e	8.98	00,00	B
7132	20	d 3, 2 e	9.03	*05*,05	Bd
7133	67	d 1, 3 e	8.88	*10*,10	B
7140	98	d 4, 3 e	9.03	05,*05*	B

110. *171843*. SW Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1193	10	c 3, 2 d	9.61	11,*11*	B
1193	10	d 2, 2 e	9.92	*02*,03	B
1196	10	d 1, 2 e	9.88	*08*,07	B
1201	64	d 1, 2 e	9.88	*08*,07	B
1203	64	d 1, 2 e	9.88	*08*,07	B
1205	60	d 1, 2 e	9.88	*08*,07	B
1497	10	n 2, 2 o	11.75	16,*16*	B
1528	40	q 1	12.41	A	B
1531	60	p 2, 2 q	12.18	06,*07*	B
1886	65	r 1, N	*12.6*		B
1966	*60*	k 1, N	*11.2*		B
1984	10	d 2, 1 e	9.98	*08*,07	B
2237	*63*	m 1, N	*11.6*		B
2378	10	q 2, N	*12.5*		B
2602	135	r 2, 1 s	12.76	*02*,02	B
2662	122	r 4, N	*12.9*		B
2972	10	l 2, 2 m	11.42	11,*11*	B
2981	10	f 2, 2 g	10.54	01,*01*	B
2981	10	e 3, 2 f	10.30	15,*15*	B
2981	10	f 2, 2 g	10.54	01,*01*	B
2981	10	f 2, 1 g	10.59	*04*,04	B
3030	10	d 1, 2 e	9.88	*08*,07	B
3055	10	h 2, 2 k	11.03	10,*10*	B
3294	13	f 2, 2 g	10.54	01,*01*	B

110. *171843.* SW Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3329	15	o 2, 3 p	11.86	13,*12*	B
3346	14	o 3, 2 p	11.96	13,*12*	B
3348	11	p 2, 1 q	12.22	02,*01*	B
3349	10	q 2, 1 r	12.48	03,*04*	B
3409	10	r 2, N	*12.7*		B
3465	10	r 2, N	*12.7*		B
3482	10	o 3, 3 p	11.92	17,*18*	B
3511	15	c 2, 2 d	9.56	06,*06*	B
3709	29	q 2, 1 r	12.48	03,*04*	B
3721	22	s 2, 1 t	13.07	00,00	B
3730	35	q 3, 2 r	12.48	13,*14*	B
3744	30	o 2, 3 p	11.86	13,*12*	B
3759	28	d 2, 1 e	9.98	*08*,07	B
3759	11	d 2, 2 e	9.92	*02*,03	B
3779	25	d 1, 3 e	9.82	*02*,03	B
3780	*86*	d 2, 2 e	9.92	*02*,03	B
3798	27	d 1, 2 e	9.88	*08*,07	B
3804	*60*	d 3, 2 e	9.98	02,*03*	Bd
3807	69	d 2, 2 e	9.92	*02*,03	B
3808	13	e 1, 1 f	10.25	00,00	B
"	"	d 2, 3 e	9.88	02,*03*	B
3818	12	d 2, 1 e	9.98	*08*,07	B
3834	37	k 2, 2 l	11.23	10,*10*	B
3994	30	r 1, N	*12.6*		B
4017	10	k 2, 1 l	11.28	05,*05*	B
4037	10	d 2, 1 e	9.98	*08*,07	B
4055	10	f 1, 2 g	10.49	*04*,04	Be
4057	10	d 2, 1 e	9.98	*08*,07	B
4058	13	d 2, 1 e	9.98	*08*,07	B
4067	10	e 1, 0 f, 1 g	10.41	*16*,*06*, 22	B
4071	11	f 1, 2 g	10.49	*04*,04	B
4083	10	g 2, 2 h	10.83	10,*10*	B
4084	10	f 3, 1 g	10.64	01,*01*	B
4085	12	g 2, 1 h	10.88	05,*05*	B
4108	14	m 2, 2 n	11.61	10,*10*	B
4140	80	s 2, 1 t	13.07	00,00	B
4377	10	o 2	11.99	A	B
4382	10	o 2, 2 p	11.92	07,*08*	B
4510	*205*	n 1, N	*11.8*		Bd
4536	10	l 1, 2 m	11.37	06,*06*	B
4573	10	d 2, 2 e	9.92	*02*,03	B
4750	10	r 2, N	*12.7*		B
4811	12	d 2, 2 e	9.92	*02*,03	Be
4819	*300*	b 1, 1 c	9.31	*01*,01	B
4832	10	c 3, 2 d	9.61	11,*11*	B
4835	12	c 3, 2 d	9.61	11,*11*	B
4851	10	d 3, 2 e	9.98	02,*03*	B
4862	71	h 3, 2 k	11.08	15,*15*	B
4874	60	k 2, 2 l	11.23	10,*10*	B
4875	60	k 1, 2 l	11.18	05,*05*	B
4884	12	n 1	11.81	A	B
4892	15	o 3, 1 p	12.02	07,*08*	B
4942	10	q 1, N	*12.4*		B
5117	69	h 2, 1 k	11.08	05,*05*	B
5120	10	k 2, 1 l	11.28	05,*05*	B
5140	61	n 1, 1 o	11.75	06,*06*	B
5148	10	o 3, 1 p	12.02	07,*08*	B
5169	60	q 2, 1 r	12.48	03,*04*	B
5262	10	q 1, N	*12.4*		B
5266	10	q 1, N	*12.4*		B
5525	60	t 2, 1 u	13.37	00,00	B
5533	60	k 1, 1 l	11.23	00,00	B
5542	70	k 2, 1 l	11.28	05,*05*	B
5560	60	m 2, 1 n	11.66	05,*05*	Bdp
5584	60	e 1, 2 f	10.20	05,*05*	B
5590	64	f 2, 1 g	10.59	*04*,04	Bd
5591	60	f 2, 2 g	10.54	01,*01*	Bde
5609	60	c 1, 2 d	9.51	01,*01*	B
5619	12	c 2, 2 d	9.56	06,*06*	B
5619	10	c 2, 1 d	9.61	01,*01*	B
5620	10	d 2, 2 e	9.92	*02*,03	B
5632	67	d 2, 2 e	9.92	*02*,03	B
5633	68	c 2, 2 d	9.56	06,*06*	B
"	"	d 1, 2 e	9.88	*08*,07	B
5633	60	d 1, 2 e	9.88	*08*,07	B
5634	60	e 2, 2 f	10.25	10,*10*	B
5646	61	d 2, 2 e	9.92	*02*,03	B
5646	62	e 2, 1 f	10.30	05,*05*	B
5841	60	m 1, N	*11.6*		Bd
5868	60	e 2, 1 f	10.30	05,*05*	B
5868	10	f 2, 2 g	10.54	01,*01*	B
5868	10	e 1, 2 f	10.20	05,*05*	B
5870	60	g 2, 2 h	10.83	10,*10*	B
5872	60	h 2, 2 k	11.03	10,*10*	B
5887	60	h 2, 2 k	11.03	10,*10*	B
5897	60	h 3, 1 k	11.13	10,*10*	B
5898	60	h 2, 1 k	11.08	05,*05*	B
5910	12	g 2, 1 h	10.88	05,*05*	B
5912	60	k 1, 2 l	11.18	05,*05*	B
5913	60	l 2, 1 m	11.47	06,*06*	B
5914	66	k 1, 2 l	11.18	05,*05*	B
5918	61	k 1, 1 l	11.23	00,00	B
5925	60	l 2, 1 m	11.47	06,*06*	B
5943	60	k 1, 2 l	11.18	05,*05*	B
5974	60	h 2	11.13	A	B
6006	10	q 1, N	*12.4*		B
6177	60	l 1	11.43	A	B
6208	61	q 2, 2 r	12.42	09,*08*	B
6222	11	q 1	12.41	A	B
6229	75	r 3, 1 s	12.80	04,*03*	B
6317	150	q 5	12.81	A	B
6359	60	h 3, 1 k	11.13	10,*10*	B
6361	10	g 2, 1 h	10.88	05,*05*	B
6376	63	c 2, 2 d	9.56	06,*06*	B
"	"	d 4, 2 e	10.02	08,*07*	B
6379	60	d 4, 3 e	9.98	12,*13*	B
6396	64	d 2, 2 e	9.92	*02*,03	B
6397	12	d 2, 1 e	9.98	*08*,07	B
6583	10	q 2, N	*12.5*		B
6606	60	e 2, 1 f	10.30	05,*05*	B
6624	13	d 2, 1 e	9.98	*08*,07	B
6626	11	d 4, 3 e	9.98	12,*13*	B
6634	61	d 2, 3 e	9.88	02,*03*	B
6636	60	d 4, 3 e	9.98	12,*13*	B
6636	60	d 3, 3 e	9.92	08,*07*	B
6650	61	c 3, 1 d	9.66	06,*06*	B
6650	60	c 2, 3 d	9.51	11,*11*	B
6652	63	d 3, 3 e	9.92	08,*07*	B
6653	50	d 2, 3 e	9.88	02,*03*	B
6663	60	d 2, 3 e	9.88	02,*03*	B
6667	64	d 2, 4 e	9.82	08,*07*	B
6669	61	d 2, 4 e	9.82	08,*07*	B
6683	69	d 3, 1 e	10.02	*02*,03	B
6685	76	e 1, 2 f	10.20	05,*05*	B
6694	61	h 4, 2 k	11.13	20,*20*	B
6922	60	d 2, 3 e	9.88	02,*03*	B
6933	60	d 4, 3 e	9.98	12,*13*	B
6935	60	d 4, 2 e	10.02	08,*07*	B
6935	10	d 4, 3 e	9.98	12,*13*	B
6938	60	d 4, 2 e	10.02	08,*07*	B
6943	65	e 2, 2 f	10.25	10,*10*	B
6948	10	f 3, 2 g	10.59	06,*06*	B
6958	10	l 2, 2 m	11.42	11,*11*	B
6979	60	k 3, 1 l	11.33	10,*10*	B
7037	11	q 1, N	*12.4*		B
7069	60	h 2, 2 k	11.03	10,*10*	Br
"	"	l 1	11.43	A	B
7098	10	n 2, N	*11.9*		B

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
111. *172586*. S OCTANTIS.						111. *172586*. S OCTANTIS.						111. *172586*. S OCTANTIS.					
1143	60	l 1, N	*10.6*		F			6 f		04		2666	62	p 2, 2 q	11.79	05,*05*	B
1175	60	k 4, 3 l	10.45	19,*19*	F	1996	225	d 4, 0 e,	8.48	*09*,*01*,	F	2725	*60*	h 3, 1 k	10.23	09,*09*	B
1178	62	k 1, 5 l	10.20	14,*14*	F			5 f		11		2725	*62*	g 3, 1 h	9.93	01,*01*	B
1180	75	h 3, 2 k	10.18	14,*14*	F	2025	91	e 4, 1 f	8.93	*06*,06	F	2754	46	f 3, 3 g	9.36	03,*02*	B
1181	72	k 1, 3 l	10.30	04,*04*	B	2188	45	k 1, N	*10.3*		F	2792	30	f 3, 3 g	9.36	03,*02*	B
1184	62	g 3, 2 h	9.88	06,*06*	B	2215	65	f 5, 1 g	9.56	03,*02*	F	2940	10	n 2, N	*11.3*		B
1186	67	f 1, 4 g	9.22	*03*,02	B	2276	*66*	d 3, 2 e	8.28	01,*01*	B	2963	32	k 3, 2 l	10.45	09,*09*	B
1193	10	f 3, 3 g	9.36	03,*02*	F	2276	*60*	d 2, 2 e	8.23	*04*,04	B	2963	31	k 3, 3 l	10.40	14,*14*	B
1218	60	d 3, 1 e	8.33	*04*,04	B	2285	67	d 2, 2 e	8.23	*04*,04	B	3000	13	e 3, 4 f	8.73	04,*04*	B
1228	75	e 1, 4 f	8.63	*06*,06	B	2285	60	d 2, 1 e	8.28	*09*,09	B	3024	10	d 3, 3 e	8.23	06,*06*	B
1244	110	d 4, 1 e	8.38	01,*01*	F	2287	71	d 3, 1 e	8.33	*04*,04	B	3024	10	d 2, 2 e	8.23	*04*,04	B
1246	68	d 4, 1 e	8.38	01,*01*	F	2300	*60*	f 1, 2 g	9.32	*13*,12	B	3026	10	d 2, 2 e	8.23	*04*,04	B
1246	63	d 3, 2 e	8.28	01,*01*	F	2302	*60*	f 1, 2 g	9.32	*13*,12	B	3026	10	3 f	8.79	A	Be
1247	65	d 4, 1 e	8.38	01,*01*	F	2303	*78*	e 3, 2 f	8.83	*06*,06	B	3054	10	e 2, 3 f	8.73	*06*,06	B
1265	146	f 2, 3 g	9.32	*03*,02	F	2303	*66*	e 3, 2 f	8.83	*06*,06	B	3054	10	e 3, 3 f	8.78	*01*,01	B
1265	263	f 1, 4 g	9.22	*03*,02	F	2305	74	f 1, 3 g	9.26	*07*,08	B	3054	10	e 3, 2 f	8.83	*06*,06	B
1273	75	f 4, 2 g	9.46	03,*02*	F	2306	*104*	e 4	8.87	A	B	3055	11	e 3, 2 f	8.83	*06*,06	B
1337	64	k 1, N	*10.3*		F	2308	79	e 4	8.87	A	B	3055	10	2 f	8.89	A	Be
1379	67	h 1, N	*10.1*		F	2308	142	e 5	8.97	A	B	3055	11	e 3, 3 f	8.78	*01*,01	B
1466	. .	d 6, 0 e,	8.58	01,*11*,	F	2310	85	f 3, 3 g	9.36	03,*02*	B	3062	32	e 3, 1 f	8.88	*11*,11	B
		4 f		11		2327	82	h 3, 1 k	10.23	09,*09*	B	3063	*66*	f 2, 2 g	9.36	*07*,08	B
1493	13	e 2, 3 f	8.73	*06*,06	F	2327	65	k 3, 4 l	10.35	19,*19*	B	3082	2	f 3, 1 g	9.46	*07*,08	B
1517	10	f 1, 4 g	9.22	*03*,02	F	2342	79	l 2, 3 m	10.70	06,*07*	B	3082	10	g 3, 2 h	9.88	06,*06*	B
1528	60	f 3, 3 g	9.36	03,*02*	F	2558	36	f 3, 1 g	9.46	*07*,08	B	3084	22	g 2, 2 h	9.83	01,*01*	B
1532	60	f 4, 2 g	9.46	03,*02*	F	2559	35	g 2, 2 h	9.83	01,*01*	B	3086	10	h 2, 2 k	10.13	09,*09*	B
1533	60	f 4, 2 g	9.46	03,*02*	F	2561	35	g 3, 2 h	9.88	06,*06*	B	3087	10	g 2, 2 h	9.83	01,*01*	B
1538	62	f 5, 1 g	9.56	03,*02*	F	2562	33	g 2	9.84	A	B	3145	10	l 2, N	*10.7*		B
1538	47	g 1, 6 h	9.58	16,*16*	F	2565	41	h 2, 4 k	10.03	19,*19*	B	3259	30	e 3, 1 f	8.88	*11*,11	B
1539	60	g 2, 5 h	9.68	16,*16*	F	2566	64	g 2	9.84	A	B	3292	10	d 2, 3 e	8.18	01,*01*	B
1540	126	g 2, 4 h	9.73	11,*11*	F	2566	32	h 2, 2 k	10.13	09,*09*	B	3293	11	2 e	8.27	A	Be
1541	61	g 2, 4 h	9.73	11,*11*	F	2567	33	g 2, 3 h	9.78	06,*06*	B	3294	15	d 3, 2 e	8.28	01,*01*	B
1541	62	g 2, 4 h	9.73	11,*11*	F	2568	33	h 2, 3 k	10.08	14,*14*	B	3295	10	d 2, 2 e	8.23	*04*,04	B
1542	60	g 3, 3 h	9.83	11,*11*	F	2570	74	h 2, 3 k	10.08	14,*14*	B	3320	14	e 3, 2 f	8.83	*06*,06	B
1565	86	h 5, 1 k	10.33	19,*19*	F	2572	60	g 3, 2 h	9.88	06,*06*	B	3323	10	f 2, 3 g	9.32	*03*,02	B
1585	73	k 3, 3 l	10.40	14,*14*	F	2583	30	k 2, 2 l	10.40	04,*04*	B	3323	13	e 3, 1 f	8.88	*11*,11	B
1624	60	l 5	11.06	A	F	2583	11	h 2, 2 k	10.13	09,*09*	B	3344	*86*	h 3, 2 k	10.18	14,*14*	B
1628	61	l 5	11.06	A	F	2586	10	l 1, 3 m	10.64	02,*01*	B	3344	*70*	g 3, 2 h	9.88	06,*06*	B
1880	60	n 2, N	*11.3*		Bp	2587	60	k 2, 2 l	10.40	04,*04*	B	3346	11	g 3, 2 h	9.88	06,*06*	B
1899	90	n 3, 1 o	11.41	05,*05*	Bd	2587	10	h 3, 1 k	10.23	09,*09*	B	3377	10	l 3, 4 m	10.70	16,*17*	B
1900	12	p 1, N	*11.7*		B	2587	10	l 2, 3 m	10.70	06,*07*	B	3385	10	m 2, 3 n	11.00	13,*14*	B
1957	60	k 2, 2 l	10.40	04,*04*	F	2588	60	l 1, 4 m	10.60	06,*07*	B	3407	10	l 2, 1 m	10.80	*04*,03	Be
1966	10	f 4, 2 g	9.46	03,*02*	Fp	2588	10	k 3, 2 l	10.45	09,*09*	B	3444	12	l 3, 2 m	10.80	06,*07*	B
“	“	g 2, 1 h	9.88	*04*,04	B	2588	10	k 3, 2 l	10.45	09,*09*	B	3482	12	l 3, 3 m	10.74	12,*11*	B
1973	*62*	e 3, 3 f	8.78	*01*,01	B	2599	34	l 2, 4 m	10.64	12,*11*	B	3507	60	f 2, 1 g	9.42	*13*,12	B
1976	*74*	e 3, 3 f	8.78	*01*,01	B	2620	50	n 2, 3 o	11.26	10,*10*	B	3511	15	f 1, 3 g	9.26	*07*,08	B
1979	*75*	e 3, 2 f	8.83	*06*,06	B	2629	65	o 2, 2 p	11.55	11,*11*	B	3516	*75*	f 2, 3 g	9.32	*03*,02	B
1980	108	d 4, 0 e,	8.45	*06*,02,	F	2637	63	o 2, 2 p	11.55	11,*11*	B	3635	25	o 2, N	*11.6*		B

111. *172586*. S Octantis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3684	21	n 4, 3 o	11.36	20,*20*	B
3713	31	n 3, 2 o	11.36	10,*10*	B
3738	28	n 3, 2 o	11.36	10,*10*	B
3751	31	n 3, 2 o	11.36	10,*10*	B
3752	62	n 3, 3 o	11.31	15,*15*	B
3759	36	l 2, 2 m	10.74	02,*01*	B
3761	21	l 3, 3 m	10.74	12,*11*	B
3785	51	f 1, 3 g	9.26	*07*,08	B
3786	24	f 2, 3 g	9.32	*03*,02	B
3798	42	e 3, 4 f	8.73	04,*04*	B
3803	30	e 2, 2 f	8.78	*11*,11	B
3803	37	e 3, 2 f	8.83	*06*,06	B
3806	29	e 2, 2 f	8.78	*11*,11	B
3810	152	e 1, 2 f	8.73	*16*,16	B
3810	30	f 1, 3 g	9.26	*07*,08	B
"	"	e 2, 2 f	8.78	*11*,11	B
3833	22	f 2, 1 g	9.42	*13*,12	B
3845	15	f 3, 1 g	9.46	*07*,08	B
3871	26	l 3, 3 m	10.74	12,*11*	B
3958	31	o 3, N	*11.7*		B
3990	25	n 4, 2 o	11.41	15,*15*	B
4014	33	k 2, 2 l	10.40	04,*04*	B
4017	15	k 1, 2 l	10.35	*01*,01	B
4022	33	f 3, 2 g	9.42	*03*,02	B
4035	55	f 1, 2 g	9.32	*13*,12	B
4036	66	e 2, 1 f	8.83	*16*,16	B
4036	33	e 2, 1 f	8.83	*16*,16	B
4037	12	e 2, 1 f	8.83	*16*,16	B
4037	93	f 2, 2 g	9.36	*07*,08	Be
4037	30	e 2, 3 f	8.73	*06*,06	Bep
4038	231	f 1, 2 g	9.32	*13*,12	B
4038	60	e 3, 2 f	8.83	*06*,06	Bd
4038	10	e 4, 2 f	8.88	*01*,01	B
4041	37	f 1, 3 g	9.26	*07*,08	B
"	"	e 3, 2 f	8.83	*06*,06	B
4041	30	e 3, 3 f	8.78	*01*,01	B
4041	30	e 3, 3 f	8.78	*01*,01	B
4041	30	e 1, 2 f	8.73	*16*,16	B
4041	30	e 2, 2 f	8.78	*11*,11	B
4052	*75*	e 3, 3 f	8.78	*01*,01	B
4057	12	d 1, 2 e	8.18	*09*,09	B
4058	10	d 1, 2 e	8.18	*09*,09	B
4067	12	e 3, 2 f	8.83	*06*,06	B
4071	11	e 2, 2 f	8.78	*11*,11	B
4076	61	f 1, 2 g	9.32	*13*,12	B
4077	10	e 4, 2 f	8.88	*01*,01	B
4079	12	e 3, 2 f	8.83	*06*,06	B
4079	10	e 3, 2 f	8.83	*06*,06	B
4081	40	e 2, 2 f	8.78	*11*,11	B
4081	*79*	e 4, 2 f	8.88	*01*,01	B
4083	33	e 2, 2 f	8.78	*11*,11	B
4083	36	f 2, 2 g	9.36	*07*,08	B
4084	11	e 2, 2 f	8.78	*11*,11	B
4084	60	e 3, 2 f	8.83	*06*,06	B
4085	12	f 2, 4 g	9.26	03,*02*	B
4094	60	f 2, 3 g	9.32	*03*,02	B
4104	60	f 2, 2 g	9.36	*07*,08	B
4106	42	f 3, 2 g	9.42	*03*,02	B
4107	12	f 3, 1 g	9.46	*07*,08	B
4112	10	g 2, 2 h	9.83	01,*01*	B
4116	33	g 2, 2 h	9.83	01,*01*	B
4116	11	g 1, 2 h	9.78	*04*,04	B
4147	10	l 4, 4 m	10.74	22,*21*	B
4147	10	l 3, 3 m	10.74	12,*11*	B
4181	13	n 3, 3 o	11.31	15,*15*	B
4185	60	n 4, 2 o	11.41	15,*15*	B
4212	40	n 3, 1 o	11.41	05,*05*	B
4247	11	k 2, 2 l	10.40	04,*04*	B
4247	12	l 2, 3 m	10.70	06,*07*	B
4247	30	l 2, 3 m	10.70	06,*07*	B
4300	10	d 3, 2 e	8.28	01,*01*	B
4353	34	e 4, 3 f	8.83	04,*04*	B
4406	25	l 1, 3 m	10.64	02,*01*	B
4406	16	k 2, 2 l	10.40	04,*04*	B
4409	11	l 3, 1 m	10.84	02,*01*	B
4409	33	l 2, 3 m	10.70	06,*07*	B
4428	31	l 2, 2 m	10.74	02,*01*	B
4433	30	m 1	11.03	A	B
4435	16	n 2, 4 o	11.21	15,*15*	B
4448	16	n 2, 2 o	11.31	05,*05*	B
4465	37	o 2, 2 p	11.55	11,*11*	B
4465	38	n 4, 2 o	11.41	15,*15*	B
4479	41	n 3, 2 o	11.36	10,*10*	B
4528	10	2 f	8.89	A	Be
4528	36	e 2, 2 f	8.78	*04*,04	Bd
4528	10	e 2, 2 f	8.78	*11*,11	B
4529	11	e 1, 2 f	8.73	*16*,16	B
4538	60	e 1, 2 f	8.73	*16*,16	B
4540	60	d 2, 2 e	8.23	*04*,04	B
4570	40	d 2, 2 e	8.23	*04*,04	B
4584	35	e 2, 2 f	8.78	*11*,11	B
4596	39	e 2, 2 f	8.78	*11*,11	B
4597	33	e 2, 1 f	8.83	*16*,16	B
4605	10	e 3, 2 f	8.83	*06*,06	B
4606	*75*	e 4, 3 f	8.83	04,*04*	B
4749	33	n 3, 2 o	11.36	10,*10*	B
4762	*75*	l 2	10.76	A	B
4765	35	l 3, 2 m	10.80	06,*07*	B
4765	30	l 3, 1 m	10.84	02,*01*	B
4766	10	k 5	10.74	A	Be
4766	62	l 4, 2 m	10.84	12,*11*	B
4773	31	l 3, 3 m	10.74	12,*11*	B
4776	32	l 3, 4 m	10.70	16,*17*	B
4777	10	l 3, 3 m	10.74	12,*11*	B
4783	120	k 2, 3 l	10.35	09,*09*	B
4791	10	g 2, 3 h	9.78	06,*06*	B
4795	10	e 4, 2 f	8.88	*01*,01	Be
4795	10	e 3, 2 f	8.83	*06*,06	B
4795	10	f 2, 3 g	9.32	*03*,02	B
4805	11	e 3, 3 f	8.78	*01*,01	B
4808	*138*	e 2, 3 f	8.73	*06*,06	B
4819	30	e 1, 3 f	8.68	*11*,11	B
4833	12	3 f	8.79	A	Be
4835	37	e 2, 3 f	8.73	*06*,06	B
4837	30	e 2, 2 f	8.78	*11*,11	B
4861	80	e 3, 2 f	8.83	*06*,06	B
4862	63	e 2, 2 f	8.78	*11*,11	B
4863	30	e 3, 1 f	8.88	*11*,11	B
4863	60	e 3, 2 f	8.83	*06*,06	B
4863	98	e 2, 2 f	8.78	*11*,11	B
4867	31	e 3, 2 f	8.83	*06*,06	B
4870	64	f 3, 4 g	9.32	07,*08*	B
4871	79	f 3, 3 g	9.36	03,*02*	B
4872	69	e 3, 1 f	8.88	*11*,11	B
4874	67	f 3, 4 g	9.32	07,*08*	B
4875	74	f 3, 3 g	9.36	03,*02*	B
4875	60	f 4, 4 g	9.36	13,*12*	B
4885	12	g 2, 1 h	9.88	*04*,04	B
4885	12	g 2, 3 h	9.78	06,*06*	B
4891	63	g 2, 2 h	9.83	01,*01*	B
4912	35	l 3, 4 m	10.70	16,*17*	B
4924	101	l 3, 3 m	10.74	12,*11*	B
4940	61	o 1, N	*11.5*		B
4941	10	n 2, 3 o	11.26	10,*10*	B
5039	37	m 2, N	*11.1*		B
5100	150	d 2, 2 e	8.23	*04*,04	B
5108	64	d 3, 1 e	8.33	*04*,04	B
5109	61	e 2, 3 f	8.73	*06*,06	B
5109	10	d 2, 1 e	8.28	*09*,09	B
5110	73	e 2, 2 f	8.78	*11*,11	B
5116	60	e 2, 2 f	8.78	*11*,11	B

111. *172586.* S OCTANTIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5116	79	d 3, 2 e	8.28	01,*01*	B
5117	61	e 2, 2 f	8.78	*11*,11	B
5119	120	e 2, 2 f	8.78	*11*,11	B
5119	60	e 2, 3 f	8.73	*06*,06	B
5133	130	e 2, 3 f	8.73	*06*,06	B
5144	150	g 1, 1 h	9.83	*09*,09	B
5147	150	f 3, 1 g	9.46	*07*,08	B
5161	60	h 3, 1 k	10.23	09,*09*	B
5161	60	k 2, 2 l	10.40	04,*04*	B
5161	270	k 2, 2 l	10.40	04,*04*	B
5164	11	k 2, 2 l	10.40	04,*04*	B
5168	63	k 3, 3 l	10.40	14,*14*	B
5169	75	k 2	10.44	A	B
5173	213	l 3, 3 m	10.74	12,*11*	B
5175	59	l 3, 3 m	10.74	12,*11*	B
5186	153	k 4, 2 l	10.50	14,*14*	B
5186	10	l 2, 1 m	10.80	*04*,03	B
5189	136	l 4, 2 m	10.84	12,*11*	B
5190	150	l 5, 2 m	10.90	16,*17*	B
5191	150	m 3, 2 n	11.10	13,*14*	B
5191	150	l 4, 2 m	10.84	12,*11*	B
5191	150	n 2, 3 o	11.26	10,*10*	B
5203	60	n 2, 3 o	11.26	10,*10*	B
5266	60	l 2, 1 m	10.80	*04*,03	B
5267	66	k 3, 1 l	10.50	04,*04*	B
5276	11	n 2, N	*11.3*		B
5325	147	d 2, 2 e	8.23	*04*,04	B
5337	63	d 1, 3 e	8.13	*04*,04	B
5351	60	d 2, 2 e	8.23	*04*,04	B
5415	10	h 3, 2 k	10.18	14,*14*	B
5497	60	o 3	11.76	A	B
5523	60	n 4, 3 o	11.36	20,*20*	B
5534	12	n 3, 2 o	11.36	10,*10*	B
5541	11	l 2, 2 m	10.74	02,*01*	B
5550	220	l 2, 2 m	10.74	02,*01*	B
5560	66	k 2, 3 l	10.35	09,*09*	B
5560	60	k 3, 2 l	10.45	09,*09*	B
5560	62	k 2, 2 l	10.40	04,*04*	B
5561	66	k 1, 2 l	10.35	*01*,01	B
5561	60	k 1, 2 l	10.35	*01*,01	B
5561	61	k 2, 1 l	10.45	*01*,01	B
5583	60	2 f	8.89	A	Be
5585	60	d 2, 1 e	8.28	*09*,09	B
5588	61	e 2, 2 f	8.78	*11*,11	B
5590	50	d 2, 1 e	8.28	*09*,09	B
5591	70	d 2, 1 e	8.28	*09*,09	B
5599	60	d 3, 3 e	8.23	06,*06*	B
5602	60	d 2, 3 e	8.18	01,*01*	B
5603	141	d 1, 2 e	8.18	*09*,09	B
5603	67	d 2, 3 e	8.18	01,*01*	B
5603	142	d 2, 2 e	8.23	*04*,04	B
5607	67	d 2, 3 e	8.18	01,*01*	B
5618	90	d 2, 2 e	8.23	*04*,04	B
5619	63	d 3, 3 e	8.23	06,*06*	B
5632	60	d 2, 2 e	8.23	*04*,04	B
5633	10	d 2, 2 e	8.23	*04*,04	B
5634	60	d 2, 1 e	8.28	*09*,09	B
5634	61	e 2, 2 f	8.78	*11*,11	B
5648	63	e 2, 2 f	8.78	*11*,11	B
5658	. .	f 1, 2 g	9.32	*13*,12	B
5659	65	f 3, 3 g	9.36	03,*02*	B
5660	68	f 3, 3 g	9.36	03,*02*	B
5660	58	f 2, 1 g	9.42	*13*,12	B
5693	11	l 3, 2 m	10.80	06,*07*	B
5810	60	l 2, N	*10.7*		B
5842	60	g 2, 2 h	9.83	01,*01*	B
5847	60	f 4, 3 g	9.42	07,*08*	B
5868	60	d 3, 2 e	8.28	01,*01*	B
5870	60	e 3, 3 f	8.78	*01*,01	B
5884	58	d 3, 1 e	8.33	*04*,04	B
5886	10	e 3, 2 f	8.83	*06*,06	B
5887	10	2 e	8.27	A	Be
5897	60	d 3, 1 e	8.33	*04*,04	B
5904	60	e 2, 2 f	8.78	*11*,11	B
5906	60	e 2, 3 f	8.73	*06*,06	B
5908	60	f 2	9.29	A	B
5910	61	e 1, 2 f	8.73	*16*,16	B
5911	60	e 4, 3 f	8.83	04,*04*	B
5911	60	f 2	9.29	A	B
5912	60	f 3, 3 g	9.36	03,*02*	B
5914	68	f 3, 3 g	9.36	03,*02*	B
5914	60	f 2, 3 g	9.32	*03*,02	B
5915	62	f 3, 3 g	9.36	03,*02*	B
5918	11	f 2, 3 g	9.32	*03*,02	B
5918	10	f 2	9.29	A	B
5919	60	e 2, 3 f	8.73	*06*,06	B
5925	10	f 3, 1 g	9.46	*07*,08	B
5926	60	f 3, 3 g	9.36	03,*02*	B
5927	60	f 3, 2 g	9.42	*03*,02	B
5927	60	g 2, 3 h	9.78	06,*06*	B
5931	61	f 4, 2 g	9.46	03,*02*	B
5938	60	h 2, 2 k	10.13	09,*09*	B
5941	60	k 2, 1 l	10.45	*01*,01	B
5943	66	h 2, 2 k	10.13	09,*09*	B
5946	63	h 1, 1 k	10.13	*01*,01	B
5946	13	k 3, 2 l	10.45	09,*09*	B
5946	10	k 2, 2 l	10.40	04,*04*	B
5961	153	l 3, 1 m	10.84	02,*01*	B
6033	10	o 2, N	*11.6*		B
6050	155	o 1, 2 p	11.50	06,*06*	B
6059	90	m 2, 3 n	11.00	13,*14*	B
"	"	n 3, 2 o	11.36	10,*10*	B
6060	66	n 2, 3 o	11.26	10,*10*	B
6061	68	o 2, 2 p	11.55	11,*11*	B
6071	68	n 3, 2 o	11.36	10,*10*	B
6085	66	l 3, 3 m	10.74	12,*11*	B
6130	61	d 2, 2 e	8.23	*04*,04	B
6162	70	e 3, 2 f	8.83	*06*,06	B
6166	60	e 2, 2 f	8.78	*11*,11	B
6179	34	f 3, 3 g	9.36	03,*02*	B
6179	73	f 3, 3 g	9.36	03,*02*	B
6183	7	f 2, 2 g	9.36	*07*,08	B
6183	65	g 2, 2 h	9.83	01,*01*	B
6190	62	g 1, 1 h	9.83	*09*,09	B
6199	67	h 3, 2 k	10.18	14,*14*	B
6216	76	k 1, 2 l	10.35	*01*,01	B
6221	64	k 3, 2 l	10.45	09,*09*	B
6226	68	l 3, 3 m	10.74	12,*11*	B
6229	69	k 2, 1 l	10.45	*01*,01	B
6241	10	l 3, 3 m	10.74	12,*11*	B
6242	11	m 1	11.03	A	B
6269	10	p 3, 1 q	11.89	05,*05*	B
6280	64	p 3, 2 q	11.84	10,*10*	B
6281	64	n 3, 1 o	11.41	05,*05*	B
6282	70	p 2, 2 q	11.79	05,*05*	B
6284	67	q 2, 1 r	12.14	00,00	B
6310	67	p 2, 2 q	11.79	05,*05*	B
6319	71	n 4, 2 o	11.41	15,*15*	B
6338	63	l 3, 3 m	10.74	12,*11*	B
6339	71	l 2, 4 m	10.64	12,*11*	B
6358	62	g 2, 3 h	9.78	06,*06*	B
6360	10	g 2, 2 h	9.83	01,*01*	B
6360	60	f 3, 2 g	9.42	*03*,02	B
6361	10	f 3, 3 g	9.36	03,*02*	B
6375	60	e 2, 2 f	8.78	*11*,11	B
6377	66	e 2, 2 f	8.78	*11*,11	B
6379	57	d 2, 2 e	8.23	*04*,04	B
6387	60	d 4, 1 e	8.38	01,*01*	B
6396	60	e 1, 4 f	8.63	*06*,06	B
6396	10	3 f	8.79	A	Be
6397	11	e 1, 3 f	8.68	*11*,11	B

111. *172586*. S Octantis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6398	75	d 4, 3 e	8.28	11,*11*	B
6414	66	e 2, 2 f	8.78	*11*,11	B
6419	69	e 2, 3 f	8.73	*06*,06	B
6432	70	e 4, 2 f	8.88	*01*,01	B
6436	68	e 3, 1 f	8.88	*11*,11	Bd
6436	66	e 4, 2 f	8.88	*01*,01	B
6438	65	f 4, 1 g	9.52	*03*,02	B
6464	70	k 2, 2 l	10.40	04,*04*	B
6472	124	l 2, 3 m	10.70	06,*07*	B
6473	66	k 2, 1 l	10.45	*01*,01	B
6478	67	l 2, 2 m	10.74	02,*01*	B
6493	75	m 2, 2 n	11.04	09,*08*	B
6556	72	q 1, N	*12.0*		B
6603	10	n 3, 2 o	11.36	10,*10*	B
6604	60	l 3	10.86	A	B
6605	60	l 2, 1 m	10.80	*04*,03	B
6607	60	k 3, 2 l	10.45	09,*09*	B
6608	80	l 3, 2 m	10.80	06,*07*	B
6624	62	g 2, 1 h	9.88	*04*,04	B
6625	60	g 3, 2 h	9.88	06,*06*	B
6634	60	f 2, 4 g	9.26	03,*02*	B
6635	10	e 4, 3 f	8.83	04,*04*	B
6635	10	e 3, 1 f	8.88	*11*,11	B
6638	77	f 2, 3 g	9.32	*03*,02	B
6638	64	e 4, 2 f	8.88	*01*,01	B
6643	77	e 2, 3 f	8.73	*06*,06	B
6650	76	e 1, 3 f	8.68	*11*,11	B
6652	61	d 4, 3 e	8.28	11,*11*	B
6652	60	d 4, 1 e	8.38	01,*01*	B
6655	76	e 2, 3 f	8.73	*06*,06	B
6662	81	d 2, 3 e	8.18	01,*01*	B
6662	61	d 2, 3 e	8.18	01,*01*	B
6662	60	d 2, 3 e	8.18	01,*01*	B
6663	10	d 2, 3 e	8.18	01,*01*	Bd
6668	60	d 2, 3 e	8.18	01,*01*	B
6678	78	d 4, 2 e	8.33	06,*06*	B
6680	76	d 3, 1 e	8.33	*04*,04	B
6682	67	d 1, 2 e	8.18	*09*,09	B
6684	69	d 3, 2 e	8.28	01,*01*	B
6684	13	d 2, 3 e	8.18	01,*01*	B
6685	63	e 2, 4 f	8.68	*01*,01	B
6690	181	e 3, 2 f	8.83	*06*,06	B
6690	72	e 2, 3 f	8.73	*06*,06	B
6691	66	e 3, 2 f	8.83	*06*,06	B
6692	74	e 4, 3 f	8.83	04,*04*	B
6694	60	e 2, 3 f	8.73	*06*,06	B
6694	11	e 3, 2 f	8.83	*06*,06	B
6698	62	e 4, 3 f	8.83	04,*04*	B
6701	80	f 2, 3 g	9.32	*03*,02	B
6703	241	f 1, 3 g	9.26	*07*,08	B
6707	61	f 3, 2 g	9.42	*03*,02	B
6710	240	f 3, 0 g, 2 h	9.62	*23*,02, 20	B
6713	69	g 2, 3 h	9.78	06,*06*	B
6713	63	g 2, 3 h	9.78	06,*06*	B
6723	189	k 2, 3 l	10.35	09,*09*	B
6723	65	g 2, 2 h	9.83	01,*01*	B
6724	63	h 2, 2 k	10.13	09,*09*	B
6724	173	g 3, 1 h	9.93	01,*01*	B
6725	137	g 4, 2 h	9.93	11,*11*	B
6731	191	k 3, 3 l	10.40	14,*14*	B
6741	65	l 2	10.76	A	B
6786	70	q 1, N	*12.0*		B
6816	73	o 3, 2 p	11.60	16,*16*	B
6823	150	q 2, 1 r	12.14	00,00	B
6858	115	n 2, 3 o	11.26	10,*10*	B
6932	61	e 4, 1 f	8.93	*06*,06	B
6933	96	e 3, 2 f	8.83	*06*,06	B
6937	60	f 2, 3 g	9.32	*03*,02	B
6937	10	e 3, 2 f	8.83	*06*,06	B
6937	10	f 2, 3 g	9.32	*03*,02	B
6943	62	e 4, 2 f	8.88	*01*,01	B
6948	10	f 2, 1 g	9.42	*13*,12	B
6958	10	f 2, 2 g	9.36	*07*,08	B
6958	60	f 4, 3 g	9.42	07,*08*	B
6960	125	g 1, 2 h	9.78	*04*,04	B
6961	86	g 1, 2 h	9.78	*04*,04	Bd
6962	83	g 2, 2 h	9.83	01,*01*	B
6964	77	g 1, 2 h	9.78	*04*,04	Bd
6964	62	g 2, 3 h	9.78	06,*06*	B
6975	66	g 4, 1 h	9.98	06,*06*	B
6975	68	g 3, 3 h	9.83	11,*11*	B
6976	8	h 3, 3 k	10.13	19,*19*	B
6976	65	h 2, 3 k	10.08	14,*14*	B
6977	10	h 2, 2 k	10.13	09,*09*	B
7006	63	l 3, 2 m	10.80	06,*07*	B
7018	76	m 1, 2 n	11.00	03,*04*	B
7037	10	o 2, 3 p	11.50	16,*16*	B
7065	90	p 2, 1 q	11.84	00,00	B
7066	81	o 2, 2 p	11.55	11,*11*	B
7079	91	o 2, 2 p	11.55	11,*11*	B
7084	103	p 2, 1 q	11.84	00,00	B
7087	107	n 2, 3 o	11.26	10,*10*	B
7087	70	n 2, 2 o	11.31	05,*05*	B
7090	63	n 2, 2 o	11.31	05,*05*	B
7096	62	l 2	10.76	A	B
7125	65	g 2, 3 h	9.78	06,*06*	B
7125	60	h 1, 2 k	10.08	04,*04*	B
7125	83	h 1, 2 k	10.08	04,*04*	B
7128	10	g 2, 2 h	9.83	01,*01*	B
7151	64	e 4, 2 f	8.88	*01*,01	B
7151	62	e 4, 3 f	8.83	04,*04*	B
7166	10	e 2, 4 f	8.68	*01*,01	B
7167	10	e 2, 3 f	8.73	*06*,06	B
7167	10	e 2, 3 f	8.73	*06*,06	Bd
7167	10	e 2, 3 f	8.73	*06*,06	B
7167	10	e 2, 3 f	8.73	*06*,06	B
7168	98	e 2, 3 f	8.73	*06*,06	B
7168	60	e 1, 3 f	8.68	*11*,11	B
7177	65	d 3, 1 e	8.33	*04*,04	B

113. *173543*. RU Scorpii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1193	10	e 5, 0 f, 4 g	9.94	*02*,05, 07	F
1193	10	e 5, 1 f	9.86	06,*07*	F
1197	10	e 4, 1 f	9.80	02,*01*	Fe
1201	64	e 2, 3 f	9.60	02,*01*	F
1203	64	e 4, 2 f	9.76	06,*07*	F
1204	64	e 2, 3 f	9.60	02,*01*	F
1205	60	e 1, 4 f	9.50	02,*01*	F
1206	60	e 1, 4 f	9.50	02,*01*	F
1221	10	6 f	9.29	A	Fe
1243	60	e 3, 3 f	9.66	06,*07*	F
1497	10	h 4, 1 k	11.38	*04*,04	F
1528	40	g 4, 2 h	10.78	03,*04*	F
1528	60	g 3, 2 h	10.72	*01*,02	F
1872	15	m 3, 2 n	12.48	04,*04*	F
1984	10	e 2, 3 f	9.60	02,*01*	F
2208	10	h 2, N	*11.1*		F
2256	12	g 4, 1 h	10.82	*01*,02	F
2260	10	g 4, 1 h	10.82	*01*,02	F
2378	10	d 2, 2 e	9.26	04,*04*	B
2378	10	d 2, 2 e	9.26	04,*04*	B
2585	10	m 5, 1 n	12.63	09,*09*	F
2592	10	n 1	12.74	A	F
2602	135	m 2, 3 n	12.38	04,*04*	B
2623	95	h 3, 3 k	11.23	01,*01*	B
2639	9	k 0	11.52	A	Fe

113. *173543.* RU Scorpii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
2662	122	g 1, 1 h	10.68	*17*,16	B
2994	10	m 1	12.32	A	F
3030	10	h 4, 1 k	11.38	*04*,04	F
3030	10	h 2, 3 k	11.18	*04*,04	F
3055	10	g 3, 2 h	10.72	*01*,02	F
3093	*65*	e 2, 1 f	9.70	*08*,09	B
3294	13	n 3	12.94	A	B
3329	15	o 1, N	*13.2*		B
3346	14	n 3, 1 o	12.99	*05*,05	B
3349	10	o 1, 1 p	13.20	04,*04*	B
3383	3	m 3, 2 n	12.48	04,*04*	B
3409	10	k 2, 3 l	11.64	08,*07*	B
3444	19	f 3, 2 g	10.20	*01*,01	B
3465	10	e 3, 2 f	9.70	02,*01*	Be
3482	10	e 2, 2 f	9.66	*04*,03	B
3511	15	d 2, 2 e	9.26	04,*04*	B
3635	30	m 3, 3 n	12.43	09,*09*	B
3656	30	m 3, 1 n	12.53	*01*,01	B
3684	20	n 3, 2 o	12.94	00,00	B
3714	30	o 1, 1 p	13.20	04,*04*	B
3721	22	o 2, 2 p	13.20	14,*14*	B
3730	35	o 2, 2 p	13.20	14,*14*	B
3744	30	m 3, 1 n	12.53	*01*,01	B
3759	28	m 3, 2 n	12.48	04,*04*	B
3759	11	m 3, 3 n	12.43	09,*09*	B
3779	25	h 1, 2 k	11.18	*14*,14	B
3798	27	g 2, 1 h	10.72	*11*,12	B
3808	13	g 3, 2 h	10.72	*01*,02	Be
3818	12	f 2, 1 g	10.20	*11*,11	B
3826	10	f 3, 2 g	10.20	*01*,01	B
3834	37	f 2, 1 g	10.20	*11*,11	B
3994	30	k 2, 1 l	11.74	*02*,03	B
4017	10	m 2, 3 n	12.38	04,*04*	B
4037	10	n 3, 3 o	12.89	05,*05*	B
4057	10	n 3, 2 o	12.94	00,00	B
4058	13	n 2	12.84	A	B
4067	10	n 3, 1 o	12.99	*05*,05	B
4108	14	o 1, N	*13.2*		B
4162	73	k 2, 2 l	11.70	02,*03*	B
4167	80	k 2, 1 l	11.74	*02*,03	B
4181	18	h 3, 2 k	11.28	*04*,04	B
4183	15	g 2, 1 h	10.72	*11*,12	B
4185	18	g 3, 1 h	10.78	*07*,06	B
4186	10	g 3, 1 h	10.78	*07*,06	B
4382	10	l 2, 1 m	12.10	*03*,02	B
4536	10	g 2	10.61	A	Be
4573	10	f 3, 3 g	10.15	04,*04*	B
4575	10	f 3, 3 g	10.15	04,*04*	B
4750	10	l 1, 2 m	12.00	*03*,02	B
4751	10	m 3, 2 n	12.48	04,*04*	B
4832	10	n 2, 2 o	12.89	*05*,05	B
4835	12	n 3, 2 o	12.94	00,00	B
4851	13	m 2, 2 n	12.43	*01*,01	B
4874	60	l 1, N	*11.9*		B
4875	60	k 2, 1 l	11.74	*02*,03	B
4875	160	l 2, 3 m	12.00	07,*08*	B
4884	12	h 3, 2 k	11.28	*04*,04	B
4891	60	g 2, 2 h	10.68	*07*,06	B
4925	60	e 3, 2 f	9.70	02,*01*	B
4927	60	f 2, 1 g	10.20	*11*,11	B
4942	62	e 2, 2 f	9.66	*04*,03	B
4942	10	d 2, 2 e	9.26	04,*04*	B
5071	60	g 1, 2 h	10.62	*11*,12	B
5142	60	m 3, 2 n	12.48	04,*04*	Bp
5148	10	m 4, 2 n	12.53	09,*09*	B
5169	60	n 3, 3 o	12.89	05,*05*	B
5264	10	h 2, 3 k	11.18	*04*,04	B
5266	10	h 2, 2 k	11.23	*09*,09	B
5278	60	f 2, 2 g	10.15	*06*,06	B
5485	10	m 3, 3 n	12.43	09,*09*	B
5486	10	m 3, 2 n	12.48	04,*04*	B
5542	10	m 2, 1 n	12.48	*06*,06	B
5584	60	n 2, 2 o	12.89	*05*,05	B
5585	60	n 3, 2 o	12.94	00,00	B
5618	11	m 2, 3 n	12.38	04,*04*	B
5618	20	l 3, 2 m	12.10	07,*08*	B
5618	10	m 3	12.52	A	B
5618	10	k 3, 1 l	11.80	02,*03*	B
"	"	l 2, 1 m	12.10	*03*,02	B
5618	10	m 3, 2 n	12.48	04,*04*	B
5618	10	m 3, 3 n	12.43	09,*09*	B
5618	10	m 3	12.52	A	B
5619	10	m 3, 2 n	12.48	04,*04*	B
5632	60	h 2, 3 k	11.18	*04*,04	B
5635	60	h 2, 2 k	11.23	*09*,09	B
5842	10	l 2, 2 m	12.04	03,*02*	B
5868	10	m 3, 2 n	12.48	04,*04*	B
5870	60	l 1	11.97	A	B
5910	120	o 2, 3 p	13.15	19,*19*	B
5914	66	m 1, N	*12.3*		Bd
5925	60	m 1, N	*12.3*		Bd
5934	60	n 3, 1 o	12.99	05,*05*	Bd
6006	10	m 3, 2 n	12.48	04,*04*	B
6177	60	g 2, 3 h	10.62	*01*,02	B
6184	40	g 2, 2 h	10.68	*07*,06	B
6208	61	h 2, 1 k	11.28	*14*,14	B
6208	62	h 2, 2 k	11.23	*09*,09	B
6208	60	g 2, 1 h	10.72	*11*,12	B
6222	62	l 1, 1 m	12.04	*07*,08	Bd
6222	11	m 3, 2 n	12.48	04,*04*	B
6229	75	m 3, 3 n	12.43	09,*09*	B
6242	10	m 3, 2 n	12.48	04,*04*	B
6250	30	n 3, 2 o	12.94	00,00	B
6256	40	n 3, 2 o	12.94	00,00	B
6286	480	k 2	11.72	A	Br
6293	60	o 2, 2 p	13.20	14,*14*	B
6317	150	o 4, 2 p	13.30	24,*24*	B
6396	10	h 3, 2 k	11.28	*04*,04	B
6396	64	h 2, 2 k	11.23	*09*,09	B
"	"	h 3, 1 k	11.33	*09*,09	B
6397	12	h 3, 2 k	11.28	*04*,04	B
6582	14	h 2, 3 k	11.18	*04*,04	B
6582	62	h 3	11.24	A	B
6594	10	m 1, 3 n	12.33	*01*,01	B
"	"	l 2, 1 m	12.10	*03*,02	B
6607	60	k 2, 2 l	11.70	02,*03*	B
6608	62	l 2, 1 m	12.10	*03*,02	B
6615	60	k 3, 2 l	11.74	08,*07*	B
6624	13	m 2, 1 n	12.48	*06*,06	B
6625	11	m 2, 2 n	12.43	*01*,01	B
6653	50	k 1, 2 l	11.64	*02*,03	B
6760	60	l 3	12.17	A	B
6933	60	g 1, 2 h	10.62	*11*,12	B
6935	60	g 2, 0 h	10.78	*17*,16	B
6935	10	f 2, 0 g, 3 h	10.38	*29*,03, 26	B
6943	11	h 1, 3 k	11.13	*09*,09	B
6948	10	h 2, 3 k	11.18	*04*,04	B
6958	10	h 2, 3 k	11.18	*04*,04	B
6976	61	k 2, 3 l	11.64	08,*07*	B
6981	62	k 2, 2 l	11.70	02,*03*	B
6999	68	m 2	12.42	A	B
7007	61	m 2, 2 n	12.43	*01*,01	B
7037	60	m 2, 1 n	12.48	*06*,06	B
7080	60	k 2, N	*11.7*		B
7095	10	n 2	12.84	A	B
7098	10	o 1, N	*13.2*		B
7124	78	m 2, 1 n	12.48	*06*,06	B

116. *174162.* W Pavonis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1191	60	l 4, 0 m,	11.73	*07*,03,	F
		4 n		03	
1197	10	l 2, 1 m	11.56	*10*,10	F
1208	60	g 5, 0 h,	10.54	01,*04*,	F
		3 k		04	
1896	10	l 3, N	*11.5*		F
2586	10	n 2, N	*12.3*		F
2586	10	m 2, N	*12.3*		F
2637	10	d 5, 0 e,	9.30	04,*01*,	F
		4 f		*03*	
2637	10	d 4, 0 e,	9.30	*06*,*01*,	F
		3 f		07	
2637	10	d 3, 1 e	9.16	*02*,03	F
2994	10	k 2, 2 l	11.07	01,*01*	F
2994	10	g 5	10.55	A	F
2994	10	k 1, 3 l	10.97	01,*01*	F
3055	10	m 2, N	*11.9*		F
3084	10	l 4, N	*11.6*		F
3292	10	k 3, 2 l	11.12	06,*06*	F
3292	10	k 3, 2 l	11.12	06,*06*	F
3292	13	k 3, 1 l	11.17	01,*01*	F
3293	10	k 1, 3 l	10.97	01,*01*	Fe
3294	10	k 4, 1 l	11.22	06,*06*	F
3323	15	m 3, 1 n	12.06	00,00	F
3377	10	o 2, N	*12.6*		F
3443	11	o 2, N	*12.6*		F
3482	10	f 3, 2 g	9.91	06,*06*	F
3509	15	f 3, 3 g	9.86	11,*11*	B
3685	11	o 3, N	*12.7*		F
3709	33	m 2, 2 n	11.96	00,00	F
3728	24	l 4, 0 m,	11.76	*10*,00,	F
		3 n		10	
3742	13	k 1, 3 l	10.97	01,*01*	F
3743	30	h 4, 0 k,	10.85	05,03,	F
		5 l		*09*	
3758	60	f 2, 2 g	9.86	01,*01*	B
3759	25	e 1, 3 f	9.38	01,*01*	F
3775	*120*	d 2, 2 e	9.06	*02*,03	F
3779	25	d 2, 3 e	9.02	02,*03*	F
3797	22	e 2, 3 f	9.43	06,*06*	B
3818	8	f 3, 2 g	9.91	06,*06*	B
3826	11	e 3	9.59	A	Be
3829	26	g 2, 3 h	10.22	03,*02*	B
3846	12	h 2, 3 k	10.64	06,*06*	B
3846	10	h 3, 2 k	10.74	06,*06*	B
3848	11	k 2, 2 l	11.07	01,*01*	B
3861	29	l 2	11.46	A	B

116. *174162.* W Pavonis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3994	30	o 2, N	*12.6*		B
4037	19	h 2, 2 k	10.69	01,*01*	B
4057	16	g 2, 2 h	10.28	*03*,02	B
4058	10	g 3, 2 h	10.32	03,*02*	B
4058	14	h 1, 2 k	10.64	*04*,04	B
4067	11	2 h	10.30	A	Be
4070	12	g 3, 2 h	10.32	03,*02*	B
4079	11	g 1, 3 h	10.18	*03*,02	B
4079	17	g 3, 2 h	10.32	03,*02*	B
4084	11	g 3, 3 h	10.28	07,*08*	B
4094	10	h 2, 2 k	10.69	01,*01*	B
4107	11	k 3, 3 l	11.07	11,*11*	B
4116	10	k 2, 3 l	11.02	06,*06*	B
4135	47	l 2, 2 m	11.51	*05*,05	B
4147	10	n 2, N	*12.3*		B
4171	10	o 2, N	*12.6*		B
4382	10	2 h	10.30	A	Be
4393	10	g 3, 3 h	10.28	07,*08*	B
4422	10	l 2	11.46	A	B
4448	14	m 2, 2 n	11.96	00,00	B
4479	10	n 2, N	*12.3*		B
4575	13	l 2, 2 m	11.51	*05*,05	B
4795	10	n 2, N	*12.3*		B
4847	63	m 2, 2 n	11.96	00,00	B
4863	10	k 2, 2 l	11.07	01,*01*	B
4871	79	f 4, 3 g	9.91	16,*16*	B
4874	67	d 3, 3 e	9.06	08,*07*	B
4875	74	d 3, 3 e	9.06	08,*07*	B
4884	10	d 3, 3 e	9.06	08,*07*	B
4884	10	d 2, 2 e	9.06	*02*,03	Be
4891	63	d 3, 2 e	9.12	02,*03*	B
4905	80	d 2, 2 e	9.06	*02*,03	B
4921	58	d 3, 2 e	9.12	02,*03*	B
4925	60	d 3, 3 e	9.06	08,*07*	B
4927	60	f 2, 3 g	9.81	06,*06*	B
"	"	e 1, 3 f	9.38	01,*01*	B
4940	60	f 3, 2 g	9.91	06,*06*	B
4942	11	f 3, 2 g	9.91	06,*06*	B
5116	79	o 2, N	*12.6*		B
5143	61	n 2, 3 o	12.26	10,*10*	B
5147	10	l 3, 2 m	11.56	00,00	B
5163	10	g 3, 2 h	10.32	03,*02*	B
5165	60	f 2, 2 g	9.86	01,*01*	B
5189	60	f 4, 3 g	9.91	16,*16*	B
5221	66	g 2, 2 h	10.28	*03*,02	B
5222	64	f 3, 2 g	9.91	06,*06*	B
5231	60	g 2, 1 h	10.32	*07*,08	Bi

116. *174162.* W Pavonis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5235	61	g 3, 2 h	10.32	03,*02*	Bi
5264	10	k 2, 1 l	11.12	*04*,04	B
5267	60	l 1, N	*11.3*		B
5481	64	d 3, 3 e	9.06	08,*07*	B
5519	80	f 3, 2 g	9.91	06,*06*	B
5523	60	2 h	10.30	A	Be
5530	60	g 3, 2 h	10.32	03,*02*	B
5532	10	h 1, 1 k	10.69	*09*,09	Be
5532	61	k 1, 2 l	11.02	*04*,04	B
5533	10	h 2, 3 k	10.64	06,*06*	B
5533	10	h 2, 1 k	10.74	*04*,04	B
5533	60	k 3, 2 l	11.12	06,*06*	B
5541	60	g 2, 1 h	10.32	*07*,08	B
"	"	h 1, 1 k	10.69	*09*,09	B
5542	70	k 2	11.08	A	B
5542	10	h 3, 1 k	10.79	01,*01*	B
5558	73	m 1	11.86	A	Be
5575	60	l 3, 2 m	11.56	00,00	B
5583	181	m 3, 2 n	12.01	05,*05*	B
5585	241	m 2, 1 n	12.01	*05*,05	B
5602	60	f 3, 3 g	9.86	11,*11*	Bp
5887	10	n 2, N	*12.3*		B
5912	60	o 2, N	*12.6*		B
5928	60	o 1, N	*12.5*		B
6008	60	e 2, 2 f	9.48	01,*01*	B
"	"	f 1, 2 g	9.81	*04*,04	B
6011	60	f 2, 2 g	9.86	01,*01*	B
6022	60	d 3, 3 e	9.06	08,*07*	B
6033	60	d 3, 3 e	9.06	08,*07*	B
6034	60	d 2, 3 e	9.02	02,*03*	B
6045	66	d 3, 3 e	9.06	08,*07*	B
6253	10	n 2, N	*12.3*		B
6286	60	h 2, 1 k	10.74	*04*,04	B
6295	66	f 3, 2 g	9.91	06,*06*	B
6297	61	f 3, 2 g	9.91	06,*06*	B
6298	10	e 2, 2 f	9.48	01,*01*	B
6302	60	f 3, 3 g	9.86	11,*11*	B
6310	60	f 3, 3 g	9.86	11,*11*	B
6311	63	e 1, 2 f	9.43	*04*,04	B
"	"	f 1, 3 g	9.76	01,*01*	B
6312	60	f 3, 2 g	9.91	06,*06*	B
6337	75	f 3, 3 g	9.86	11,*11*	B
6337	60	d 3, 3 e	9.06	08,*07*	Be
"	"	e 1, 2 f	9.43	*04*,04	B
6338	60	f 3, 3 g	9.86	11,*11*	B
6339	65	f 2, 2 g	9.86	01,*01*	B
6344	64	g 2	10.25	A	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6345	62	f 3, 2 g	9.91	06,*06*	B
6358	62	f 3, 3 g	9.86	11,*11*	B
6359	60	g 2, 3 h	10.22	03,*02*	B
6376	60	g 3, 1 h	10.38	*03*,02	B
6379	60	h 2, 1 k	10.74	*04*,04	B
6396	14	l 1, 3 m	11.41	*05*,05	B
6582	71	f 2, 3 g	9.81	06,*06*	B
6593	60	e 2, 1 f	9.53	*04*,04	B
6603	10	f 2, 3 g	9.81	06,*06*	Be
6604	10	e 1, 2 f	9.43	*04*,04	B
6604	63	f 3, 2 g	9.91	06,*06*	B
6605	60	f 3, 3 g	9.86	11,*11*	B
6606	60	f 3, 1 g	9.96	01,*01*	B
6607	60	f 2, 3 g	9.81	06,*06*	B
6608	62	f 3, 2 g	9.91	06,*06*	B
6615	60	f 2	9.87	A	B
6620	60	f 1, 3 g	9.76	01,*01*	B
6625	10	f 2, 1 g	9.91	*04*,04	B
6625	60	f 2, 3 g	9.81	06,*06*	B
6634	61	g 1, 3 h	10.18	*03*,02	B
6634	60	f 3, 1 g	9.96	01,*01*	B
6636	60	g 2, 3 h	10.22	03,*02*	B
6650	61	g 4, 2 h	10.38	07,*08*	B
6652	63	g 2, 0 h	10.38	*13*,12	B
6652	61	g 4, 2 h	10.38	07,*08*	B
6653	50	h 2, 3 k	10.64	06,*06*	B
6662	60	g 3, 1 h	10.38	*03*,02	B
6667	64	k 3	11.18	A	B
6680	76	l 2	11.46	A	B
6682	13	k 3, 1 l	11.17	01,*01*	Be
6697	240	l 2, 1 m	11.56	*10*,10	B
6932	61	2 h	10.30	A	Br
6937	60	g 3, 2 h	10.32	03,*02*	B
6957	60	h 3	10.80	A	B
6957	10	k 3, 2 l	11.12	06,*06*	B
6960	60	k 2, 3 l	11.02	06,*06*	B
6991	62	m 2, 3 n	11.91	05,*05*	B
7023	126	e 1, N	*9.3*		B
7038	61	h 2	10.70	A	B
7080	11	m 2, N	*11.9*		B
7125	65	k 3, 2 l	11.12	06,*06*	B

117. *174135.* SV SCORPII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1193	10	h 1	10.91	A	B
1201	64	l 2, 1 m	11.46	05,*05*	B

117. *174135.* SV SCORPII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1531	60	q 3	12.79	A	B
1641	12	f 2, 2 g	10.33	20,*20*	B
“	“	e 3, 1 f	10.32	09,*09*	B
1642	10	f 1, 2 g	10.28	15,*15*	B
“	“	g 2, 2 h	10.57	*04*,04	B
1872	. .	k 2, 1 l	11.26	05,*05*	B
1881	10	m 1, 2 n	11.61	00,00	B
“	“	k 3, 2 l	11.26	15,*15*	B
2585	10	r 1, N	*12.9*		B
2592	10	q 1	12.59	A	B
2603	67	p 2, 1 q	12.45	06,*06*	B
2623	95	m 1, 1 n	11.61	00,00	B
2994	14	l 1, 2 m	11.36	05,*05*	B
3030	10	q 3, 1 r	12.76	03,*04*	B
3357	10	t 1, N	*13.4*		B
3710	21	e 3, 2 f	10.27	14,*14*	B
3730	18	f 1, 2 g	10.28	15,*15*	B
“	“	g 2, 1 h	10.62	*09*,09	B
3740	15	g 2, 2 h	10.57	*04*,04	B
3741	60	g 2, 3 h	10.52	01,*01*	B
3752	60	g 2, 1 h	10.62	*09*,09	B
3785	*10*	l 3, 2 m	11.46	15,*15*	B
3826	11	q 2, N	*12.6*		B
3958	13	e 2, 2 f	10.22	09,*09*	B
4017	12	k 2, 1 l	11.26	05,*05*	B
4037	10	o 2, 2 p	12.12	01,*01*	B
4057	10	p 2, 2 q	12.40	11,*11*	B
4058	10	p 3, 2 q	12.45	16,*16*	B
4084	9	u 0	13.67	A	B
4181	11	h 1, 2 k	10.91	00,00	B
4181	10	h 1, 2 k	10.91	00,00	B
4188	10	h 2, 2 k	10.96	05,*05*	B
4190	10	k 2, 2 l	11.21	10,*10*	B
4191	10	k 1, 2 l	11.16	05,*05*	B
4375	10	q 1, N	*12.5*		B
4457	240	h 1, 2 k	10.91	00,00	B
4570	10	n 2, 2 o	11.82	09,*09*	B
4750	11	e 2, 1 f	10.27	04,*04*	B
4751	10	e 2, 2 f	10.22	09,*09*	B
4822	10	p 1, 2 q	12.35	06,*06*	B
4832	13	q 1	12.59	A	B
4833	12	q 2, 1 r	12.70	*01*,02	B
4942	62	g 2, 3 h	10.52	01,*01*	B
5171	60	q 1	12.59	A	B
5172	65	q 1, 2 r	12.60	*01*,02	B
5234	62	f 1, 2 g	10.28	15,*15*	Bi
5263	11	e 2, 1 f	10.27	04,*04*	B

117. *174135.* SV SCORPII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5266	10	g 1, 2 h	10.52	*09*,09	B
5278	60	g 2, 2 h	10.57	*04*,04	Bi
5485	10	k 1, 1 l	11.21	00,00	B
5486	10	h 1, 2 k	10.91	00,00	B
5526	60	g 1, 2 h	10.52	*09*,09	B
5527	60	f 1, 2 g	10.28	15,*15*	B
5530	10	g 1, 2 h	10.52	*09*,09	B
5532	51	g 2, 2 h	10.57	*04*,04	B
5533	60	f 2, 2 g	10.33	20,*20*	B
5614	60	u 2, 1 w	13.90	*03*,02	B
5631	60	u 3, 1 w	13.94	03,*02*	B
5870	10	q 2, 2 r	12.66	03,*04*	B
5872	60	q 3, 2 r	12.70	09,*08*	B
5897	10	q 3, 1 r	12.76	03,*02*	B
5939	60	q 1, N	*12.5*		B
5964	122	m 1, 1 n	11.61	00,00	B
“	“	n 1, 2 o	11.77	04,*04*	B
6006	60	h 2, 1 k	11.01	00,00	B
6013	11	h 2, 2 k	10.96	05,*05*	B
6023	60	f 2, 1 g	10.38	15,*15*	B
“	“	g 1, 2 h	10.52	*09*,09	B
6034	60	g 2, 1 h	10.62	*09*,09	B
6228	60	m 1, 2 n	11.56	05,*05*	B
6241	60	g 3, 2 h	10.62	01,*01*	B
6242	10	k 2, 2 l	11.21	10,*10*	B
6253	60	g 3, 2 h	10.62	01,*01*	Br
6254	61	h 1, 2 k	10.91	00,00	B
6268	10	g 1, 2 h	10.52	*09*,09	B
6268	61	e 2, 1 f	10.27	04,*04*	B
6269	10	e 2, 2 f	10.22	09,*09*	B
6279	60	f 2, 2 g	10.33	20,*20*	B
“	“	e 2, 1 f	10.27	04,*04*	B
6281	62	e 2, 1 f	10.27	04,*04*	B
6284	60	f 1, 2 g	10.28	15,*15*	B
“	“	g 1, 2 h	10.52	*09*,09	B
6286	480	g 2, 1 h	10.62	*09*,09	Bd
6290	60	f 1, 2 g	10.28	15,*15*	B
“	“	e 3, 2 f	10.27	14,*14*	B
6297	66	g 2, 3 h	10.52	01,*01*	B
6308	69	g 3, 2h	10.62	01,*01*	B
6311	60	g 2, 2 h	10.57	*04*,04	B
6319	70	g 2, 2 h	10.57	*04*,04	B
6339	65	h 1, 2 k	10.91	00,00	B
6347	69	k 1, 2 l	11.16	05,*05*	B
6396	10	q 3	12.79	A	B
6582	10	g 3, 2 h	10.62	01,*01*	B
6585	54	g 2	10.53	A	B

117. *174135.* SV Scorpii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6593	61	g 2, 0 h	10.67	*14*,14	B
6594	10	h 1, 2 k	10.91	00,00	B
6606	60	g 2, 1 h	10.62	*09*,09	B
6615	198	l 2, 1 m	11.46	05,*05*	B
6624	10	q 1, N	*12.5*		B
6625	10	o 2, 2 p	12.12	01,*01*	B
6935	10	p 1, N	*12.4*		B
6976	61	g 2, 1 h	10.62	*09*,09	B
7007	61	h 2, 1 k	11.01	00,00	B
7032	62	h 2, 1 k	11.01	00,00	B
7066	67	g 2, 2 h	10.57	*04*,04	B
7076	66	e 2, 3 f	10.17	14,*14*	B
7077	64	e 2, 1 f	10.27	04,*04*	B
7080	60	f 2, 1 g	10.38	15,*15*	B
7080	11	e 2, 3 f	10.17	14,*14*	B
7094	10	e 3, 1 f	10.32	09,*09*	B
7096	11	g 1, 2 h	10.52	*09*,09	Br
7098	60	g 2, 3 h	10.52	01,*01*	B
7105	60	g 3, 1 h	10.67	*04*,04	B

119. *174551.* U Arae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1167	10	m 2, N	*11.5*		F
1191	60	l 2, 1 m	11.16	*05*,05	F
1193	10	l 2, 2 m	11.11	00,00	F
1197	10	k 2, 2 l	10.70	*01*,01	F
1197	10	k 2, 1 l	10.75	*06*,06	F
1204	65	g 3, 1 h	10.10	01,*01*	F
1220	68	f 1, 3 g	9.56	05,*05*	F
1240	60	d 1, 3 e	8.86	00,00	F
1516	60	m 1, 2 n	11.46	*05*,05	F
1565	60	n 1, N	*11.8*		F
1872	70	h 1, 2 k	10.29	00,00	F
1882	10	f 4, 1 g	9.81	10,*10*	Fe
1883	11	g 1, 3 h	9.90	01,*01*	F
2364	*60*	e 2, 1 f	9.38	*02*,03	B
2581	10	4 g	9.41	A	Fe
2585	10	f 2, 2 g	9.66	05,*05*	F
2592	10	f 3, 1 g	9.76	05,*05*	F
2592	10	f 1, 2 g	9.61	00,00	F
2639	10	l 4, 1 m	11.26	05,*05*	F
2639	10	l 2, 2 m	11.11	00,00	F
2639	10	l 2, 1 m	11.16	*05*,05	F
2639	10	l 4, 0 m, 3 n	11.34	*03,03,* 07	F
2665	60	k 3, N	*10.7*	·	B
2994	10	m 3, 1 n	11.61	00,00	F
2994	10	m 2, 2 n	11.51	00,00	F
3030	10	f 1, 2 g	9.61	00,00	F
3030	10	g 3, 3 h	10.00	11,*11*	B
3055	10	f 1, 2 g	9.61	00,00	F
3057	12	f 2, 1 g	9.71	00,00	F
3098	*72*	g 2	10.01	A	F
3349	10	o 3, 2 p	12.60	09,*09*	Bd
3349	10	1 o	12.29	A	F
3442	14	m 1, 3 n	11.41	00,00	F
3692	10	g 2, 2 h	10.00	01,*01*	B
3716	14	f 3, 1 g	9.76	05,*05*	F
3726	10	g 2, 1 h	10.05	*04*,04	F
3726	60	g 3, 2 h	10.05	06,*06*	Bd
3728	60	g 3, 2 h	10.05	06,*06*	Bd
3730	10	g 2, 1 h	10.05	*04*,04	F
3730	10	g 3, 2 h	10.05	06,*06*	Bd
3741	16	h 2, 1 k	10.39	00,00	F
3772	60	l 1, 2 m	11.06	*05*,05	B
3828	14	o0, 3 p	12.40	*01*,01	F
4067	11	o 1, 2 p	12.50	*01*,01	F
4085	14	n 3, 3 o	12.05	*04*,04	F
4132	*78*	f 3, 1 g	9.76	05,*05*	F
4135	*72*	f 1, 3 g	9.56	05,*05*	F
4140	*73*	e 3, 0 f, 4 g	9.46	00,05, *05*	F
4140	*12*	f 1, 3 g	9.56	05,*05*	F
4160	*63*	e 1, 2 f	9.28	*02*,03	F
4183	10	f 2, 1 g	9.71	00,00	F
4185	18	g 1, 3 h	9.90	01,*01*	F
4190	17	g 2, 2 h	10.00	01,*01*	F
4195	*91*	g 1, 2 h	9.95	*04*,04	F
4375	10	f 2, 2 g	9.66	05,*05*	B
4382	10	g 1, 2 h	9.95	*04*,04	B
4393	10	g 1, 2 h	9.95	*04*,04	B
4437	11	l 2, 1 m	11.16	*05*,05	B
4536	10	m 2, N	*11.5*		B
4575	10	k 2, 3 l	10.65	04,*04*	B
4750	10	n 2, N	*11.9*		B
4776	11	m 2, 1 n	11.56	*05*,05	B
4794	*178*	l 1, 1 m	11.11	*10*,10	B
4811	*60*	f 2, 2 g	9.66	05,*05*	B
4814	*61*	f 3, 3 g	9.66	15,*15*	B
4822	10	f 2, 2 g	9.66	05,*05*	B
4832	10	d 1, 1 e	8.96	*10*,10	B
4835	12	f 1, 2 g	9.61	00,00	B
4851	13	g 1, 3 h	9.90	01,*01*	B
4854	10	f 2, 1 g	9.71	00,00	B
4863	65	g 2, 1 h	10.05	*04*,04	B
4874	60	k 2, 2 l	10.70	*01*,01	B
4875	60	k 3, 3 l	10.70	09,*09*	B
4884	10	k 2, 2 l	10.70	*01*,01	B
4884	10	k 1, 2 l	10.65	*06*,06	B
4891	60	l 2, 1 m	11.16	*05*,05	B
4942	10	n 2, N	*11.9*		Be
5071	60	g 2, 2 h	10.00	01,*01*	B
5158	10	p 1, N	*12.8*		B
5235	61	m 2	11.51	A	Bi
5261	60	g 2	10.01	A	B
5264	10	g 1, 3 h	9.90	01,*01*	B
5266	10	f 2, 1 g	9.71	00,00	B
5267	60	g 2, 2 h	10.00	01,*01*	B
5274	67	g 1, 2 h	9.95	*04*,04	B
5275	60	g 3, 3 h	10.00	11,*11*	B
5278	60	f 2, 2 g	9.66	05,*05*	Bi
5282	10	g 1, 2 h	9.95	*04*,04	B
5485	10	h 1, 2 k	10.29	00,00	B
5486	10	g 3, 2 h	10.05	06,*06*	B
5519	80	f 2, 2 g	9.66	05,*05*	B
5530	60	g 1, 1 h	10.00	*09*,09	B
5532	10	h 1, 3 k	10.24	05,*05*	B
5532	61	g 2, 2 h	10.00	01,*01*	B
5533	60	h 1, 2 k	10.29	00,00	B
5541	62	h 2, 1 k	10.39	00,00	B
5542	70	k 2, 3 l	10.65	04,*04*	B
5542	10	k 1, 2 l	10.65	*06*,06	B
5560	60	l 2, 2 m	11.11	00,00	B
5572	60	m 2, 3 n	11.46	05,*05*	B
5619	10	n 1, N	*11.8*		Be
5646	62	m 2, N	*11.5*		B
5868	10	o 1, 2 p	12.50	*01*,01	B
5872	60	o 1, 2 p	12.50	*01*,01	B
5911	60	m 2, 3 n	11.46	05,*05*	B
5911	61	m 2, 4 n	11.41	10,*10*	B
5925	60	g 1, 2 h	9.95	*04*,04	B
“	“	h 2, 1 k	10.39	00,00	B
5926	60	g 3, 1 h	10.10	01,*01*	Bd
5927	60	h 2, 2 k	10.34	05,*05*	B
5934	60	f 2, 1 g	9.71	00,00	B
5934	60	g 1, 2 h	9.95	*04*,04	B
5938	60	e 2, 1 f	9.38	*02*,03	B
5940	61	d 1, 2 e	8.91	*05*,05	B
5941	60	d 2, 1 e	9.01	*05*,05	B
5943	60	e 2, 3 f	9.28	08,*07*	B

119. *174551.* U Arae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5945	60	d 2, 1 e	9.01	*05*,05	B
5945	12	e 1, 2 f	9.28	*02*,03	B
5945	10	f 2, 3 g	9.61	10,*10*	B
5962	60	e 2, 1 f	9.38	*02*,03	Bde
5971	60	e 2, 1 f	9.38	*02*,03	B
5974	60	e 2, 1 f	9.38	*02*,03	B
6006	10	k 1, 3 l	10.60	*01*,01	B
6008	60	k 2, 1 l	10.75	*06*,06	B
6033	60	l 2	11.11	A	B
6177	60	e 1, 2 f	9.28	*02*,03	B
6183	64	d 2, 1 e	9.01	*05*,05	B
6208	60	g 2, 2 h	10.00	01,*01*	B
6208	60	f 1, 2 g	9.61	00,00	B
6222	62	h 2, 2 k	10.34	05,*05*	B
6222	10	g 2, 1 h	10.05	*04*,04	B
6226	60	k 2, 2 l	10.70	*01*,01	B
6233	61	k 2, 1 l	10.75	*06*,06	B
6237	10	k 1, 2 l	10.65	*06*,06	B
6239	62	k 2, 1 l	10.75	*06*,06	B
6240	67	l 1, 3 m	11.01	00,00	B
6242	63	k 3, 2 l	10.75	04,*04*	B
6242	10	l 1, 2 m	11.06	*05*,05	B
6257	60	m 2, 3 n	11.46	05,*05*	B
6286	480	o 1, N	*12.4*		B
6327	11	o 2, N	*12.5*		B
6359	10	m 1, 2 n	11.46	*05*,05	B
6379	60	h 2, 3 k	10.29	10,*10*	B
6396	64	e 2, 2 f	9.34	02,*03*	B
6396	10	f 1, 2 g	9.61	00,00	B
6397	10	e 1, 2 f	9.28	*02*,03	B
6397	64	e 2, 2 f	9.34	02,*03*	B
6400	68	e 2, 3 f	9.28	08,*07*	B
6594	10	n 3, 1 o	12.15	*14*,14	B
6606	60	l 2	11.11	A	B
6607	60	m 1	11.41	A	B
6608	62	l 4, 2 m	11.21	10,*10*	B
6615	60	k 4, 2 l	10.80	09,*09*	B
6624	11	k 1, 2 l	10.65	*06*,06	B
6625	11	h 1, 2 k	10.29	00,00	B
6626	10	h 1, 2 k	10.29	00,00	B
6634	61	h 2, 3 k	10.29	10,*10*	B
6634	60	h 2, 3 k	10.29	10,*10*	B
6636	60	g 3, 2 h	10.05	06,*06*	B
6639	67	g 3, 2 h	10.05	06,*06*	B
6640	64	g 3, 2 h	10.05	06,*06*	B
6650	61	g 3, 3 h	10.00	11,*11*	B
6652	63	g 3, 2 h	10.05	06,*06*	B

119. *174551.* U Arae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6653	50	g 3, 2 h	10.05	06,*06*	B
6667	64	h 3, 2 k	10.39	10,*10*	B
6669	61	g 3, 2 h	10.05	06,*06*	B
6670	62	h 1, 2 k	10.29	00,00	B
6682	62	k 3, 2 l	10.75	04,*04*	B
6685	61	h 2, 2 k	10.34	05,*05*	B
6685	76	k 2, 3 l	10.65	04,*04*	B
6694	61	l 1, 3 m	11.01	00,00	B
6697	70	m 1	11.41	A	B
6943	10	n 3, 3 o	12.05	*04*,04	B
7039	10	o 1, N	*12.4*		B
7053	200	l 2, 0 m, 4 n	11.24	*13*,07, 07	B
7066	67	k 1, 3 l	10.60	*01*,01	B
7068	60	g 3, 1 h	10.10	01,*01*	B
7069	60	h 3, 2 k	10.39	10,*10*	B
7077	64	g 2, 3 h	9.95	06,*06*	B
7080	60	g 3, 3 h	10.00	11,*11*	B
7080	11	g 3, 2 h	10.05	06,*06*	B
7094	10	g 2, 3 h	9.95	06,*06*	B
7094	10	g 2, 3 h	9.95	06,*06*	B
7094	62	g 2, 2 h	10.00	01,*01*	B
7095	13	g 2, 3 h	9.95	06,*06*	B
7096	64	g 3, 3 h	10.00	11,*11*	B
7098	60	g 4, 3 h	10.05	16,*16*	B
7098	60	g 3, 3 h	10.00	11,*11*	B
7098	10	g 2, 3 h	9.95	06,*06*	B
7121	60	h 2, 3 k	10.29	10,*10*	B
7124	78	h 2, 3 k	10.29	10,*10*	B

120. *174748.* V Arae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1167	10	n 2	11.50	A	B
1197	10	q 1, N	*12.1*		B
1240	60	q 1, N	*12.1*		B
1497	10	k 2, 1 l	10.80	00,00	B
1516	60	n 2, 1 o	11.48	02,*03*	B
1528	40	n 3, 2 o	11.48	12,*13*	B
1565	60	n 1, N	*11.4*		B
1872	10	f 1, 1 g	9.92	*05*,05	B
1872	15	f 2, 1 g	9.97	00,00	B
1882	10	f 1, 2 g	9.87	00,00	B
1883	11	h 1, 2 k	10.38	*03*,02	B
1984	10	l 1, N	*11.0*		B
2585	10	h 1, 2 k	10.38	*03*,02	B
2592	10	h 1, 2 k	10.38	*03*,02	B

120. *174748.* V Arae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
2592	10	h 1, 2 k	10.38	*03*,02	B
2639	10	f 2, 2 g	9.92	05,*05*	B
2639	10	f 2, 1 g	9.97	00,00	B
2639	10	f 2, 2 g	9.92	05,*05*	B
2639	10	e 3, 1 f	9.74	08,*07*	B
2660	115	g 1, 2 h	10.11	06,*06*	B
2994	10	q 1	12.15	A	B
3030	10	l 1, 2 m	10.95	05,*05*	B
3030	10	n 1, 2 o	11.38	02,*03*	B
3055	10	n 2, 2 o	11.42	08,*07*	B
3057	12	n 2, 1 o	11.48	02,*03*	B
3349	10	n 2, 1 o	11.48	02,*03*	B
3349	10	n 2, 2 o	11.42	08,*07*	B
3357	13	k 1, 2 l	10.70	00,00	B
3383	10	e 2	9.72	A	Be
3384	10	g 1, 2 h	10.11	06,*06*	B
3385	10	f 2, 1 g	9.97	00,00	B
3442	14	l 1, 2 m	10.95	05,*05*	B
3635	30	n 1, N	*11.4*		B
3656	30	n 1, N	*11.4*		B
3726	10	r 1, N	*12.2*		B
3754	63	l 1, 2 m	10.95	05,*05*	B
3759	28	m 1, 1 n	11.20	00,00	B
3798	27	k 2, 1 l	10.80	00,00	B
3828	14	o 2, 1 p	11.71	04,*04*	B
3834	37	p 2, N	*11.9*		B
3875	10	p 1, N	*11.8*		B
3994	30	p 1, N	*11.8*		B
4057	10	q 1, N	*12.1*		B
4058	13	q 1, N	*12.1*		B
4085	14	q 2, 1 r	12.15	10,*10*	B
4181	18	k 1, 2 l	10.70	00,00	B
4183	10	h 3, 2 k	10.48	07,*08*	B
4185	18	h 2, 2 k	10.42	03,*02*	B
4190	17	m 1, 1 n	11.20	00,00	B
4375	10	n 1, N	*11.4*		B
4510	*205*	l 1, 1 m	11.00	00,00	B
4536	10	f 2, 1 g	9.97	00,00	B
4570	10	k 1, 1 l	10.75	*05*,05	B
4573	10	n 2	11.50	A	B
4575	10	l 1, 1 m	11.00	00,00	B
“	“	m 1, 2 n	11.46	*05*,05	B
4832	10	q 1, N	*12.1*		B
4835	12	q 1, N	*12.1*		B
4851	13	p 2, 1 q	11.96	01,*01*	B
4884	10	h 2, 1 k	10.48	*03*,02	B
4884	10	h 2, 1 k	10.48	*03*,02	B

120. *174748.* V ARAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4891	60	h 1, 3 k	10.32	03,*02*	Bd
4898	74	g 3, 2 h	10.21	16,*16*	B
4898	66	g 2, 1 h	10.21	06,*06*	Bd
4941	11	n 1, 2 o	11.38	02,*03*	B
4942	10	n 1, 2 o	11.38	02,*03*	B
5168	60	s 1, N	*12.3*		B
5169	60	s 1, N	*12.3*		B
5175	62	r 1, N	*12.2*		B
5206	*60*	m 1, 1 n	11.20	00,00	B
5235	61	n 2, 1 o	11.48	02,*03*	Bd
5264	10	h 3, 2 k	10.48	07,*08*	B
5266	10	h 2, 2 k	10.42	03,*02*	B
5267	60	h 2, 2 k	10.42	03,*02*	B
5274	67	g 2, 2 h	10.16	11,*11*	B
5275	60	h 3, 2 k	10.48	07,*08*	B
5276	10	h 2, 2 k	10.42	03,*02*	B
5278	60	h 2, 2 k	10.42	03,*02*	B
5282	10	h 3, 3 k	10.42	13,*12*	B
5486	10	s 1, N	*12.3*		B
5542	10	r 1, N	*12.2*		B
5572	60	r 1, N	*12.2*		B
5618	60	k 2, 1 l	10.80	00,00	Bd
5619	10	l 1, 2 m	10.95	05,*05*	B
"	"	m 1, 3 n	11.10	10,*10*	B
5623	10	h 2, 3 k	10.38	07,*08*	Bd
5633	68	f 3, 1 g	10.02	05,*05*	Bd
5637	60	e 2, 1 f	9.70	02,*03*	Bd
5646	62	f 4, 3 g	9.97	20,*20*	Bd
5661	10	f 2, 2 g	9.92	05,*05*	B
5842	10	q 1, N	*12.1*		B
5872	60	r 1, N	*12.2*		B
5911	61	s 1, N	*12.3*		B
5934	60	s 2, N	*12.4*		B
6006	10	p 1, 1 q	11.91	*04*,04	B
6229	75	s 2, N	*12.4*		B
6286	480	o 1, N	*11.6*		B
6327	11	o 1, N	*11.6*		B
6359	10	o 1, N	*11.6*		B
6379	60	h 2, 2 k	10.42	03,*02*	B
6396	10	f 1, 2 g	9.87	00,00	B
6396	64	f 1, 1 g	9.92	*05*,05	B
6397	64	f 2, 1 g	9.97	00,00	B
6397	10	f 2, 1 g	9.97	00,00	Bd
6400	68	h 2, 3 k	10.38	07,*08*	Bd
6582	14	q 1, N	*12.1*		B
6640	64	s 1, N	*12.3*		B
6745	61	l 2	11.10	A	B
6760	60	h 3, 2 k	10.48	07,*08*	B
6766	60	h 3, 2 k	10.48	07,*08*	B
6935	10	n 2, N	*11.5*		B
7039	10	n 1, N	*11.4*		B
7080	11	p 1, N	*11.8*		B
7098	10	q 2, N	*12.2*		B

124. *180363.* R PAVONIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1191	60	b 2, 2 c	7.96	*16*,16	B
1197	10	b 2, 2 c	7.96	*16*,16	B
1210	*60*	b 1, 1 c	7.96	*26*,26	B
1221	10	b 3, 2 c	8.01	*11*,11	B
1223	10	b 2, 3 c	7.91	*11*,11	B
1228	60	b 2, 2 c	7.96	*16*,16	B
1235	63	b 2, 2 c	7.96	*16*,16	B
1250	10	d 3, 2 e	8.98	*14*,14	B
1250	10	d 3, 2 e	8.98	*14*,14	B
1896	10	a 3, 2 b	7.39	*01*,01	B
1896	10	a 3, 1 b	7.44	*06*,06	Bd
1898	10	a 3, 2 b	7.39	*01*,01	B
1903	10	b 2, 3 c	7.91	*11*,11	B
1963	10	e 2, 2 f	9.47	05,*05*	B
1974	*60*	d 5, 0 e	9.18	*14*,14	Bde
1993	10	h 1, N	*10.5*		Bd
2309	*60*	e 1, N	*9.4*		B
2328	*62*	e 1, N	*9.4*		B
2352	*145*	b 2, 3 c	7.91	*11*,11	B
2359	*149*	b 1, 2 c	7.91	*21*,21	B
2364	*62*	b 1, 2 c	7.91	*21*,21	B
2586	10	b 2, 4 c	7.86	*06*,06	B
2586	10	b 2, 3 c	7.91	*11*,11	B
2586	10	a 3, 1 b	7.44	*06*,06	B
2587	10	a 3, 1 b	7.44	*06*,06	B
2587	10	a 3, 2 b	7.39	*01*,01	B
2994	10	g 2, 2 h	10.17	*05*,05	B
2995	10	h 2, 3 k	10.56	06,*06*	B
3019	*60*	c 1, 1 d	8.43	*01*,01	B
3023	10	d 3, 3 e	8.93	*09*,09	B
3024	10	d 1, 3 e	8.83	*19*,19	B
3033	*61*	c 1, 1 d	8.43	*01*,01	B
3033	*68*	c 2, 2 d	8.43	09,*09*	B
3034	*60*	c 2, 1 d	8.48	04,*04*	B
3084	10	c 2, 1 d	8.48	04,*04*	B
3292	10	b 1, 3 c	7.86	*16*,16	B
3292	13	b 1, 3 c	7.86	*16*,16	B
3293	10	a 3, 2 b	7.39	*01*,01	B
3293	10	a 3, 1 b	7.44	*06*,06	B
3294	10	a 3, 2 b	7.39	*01*,01	B
3323	15	d 2, 1 e	8.98	*24*,24	B
3346	11	f 3, 1 g	9.87	05,*05*	B
3377	10	m 2, 1 n	11.24	03,*02*	B
3409	10	n 2, 2 o	11.47	05,*05*	B
3409	10	m 2, 3 n	11.14	13,*12*	B
3435	10	h 3, 2 k	10.66	06,*06*	B
3443	11	h 2, 2 k	10.61	01,*01*	B
3482	10	b 2, 3 c	7.91	*11*,11	B
3509	15	b 2, 3 c	7.91	*11*,11	B
3642	10	h 2, 1 k	10.66	*04*,04	B
3656	30	k 2, 1 l	10.98	02,*03*	B
3685	7	e 1, 2 f	9.42	00,00	B
3685	11	f 2, 3 g	9.72	10,*10*	B
3709	33	b 2, 1 c	8.01	*21*,21	B
3714	30	b 3, 3 c	7.96	*06*,06	B
3716	10	b 2, 2 c	7.96	*16*,16	B
3724	10	a 3, 1 b	7.44	*06*,06	B
3726	10	b 3, 3 c	7.96	*06*,06	B
3728	24	b 3, 2 c	8.01	*11*,11	B
3742	13	b 1, 3 c	7.86	*16*,16	B
3743	25	b 2, 3 c	7.91	*11*,11	B
3758	60	b 2, 1 c	8.01	*21*,21	Bd
3759	25	b 2, 2 c	7.96	*16*,16	B
3777	60	d 3, 2 e	8.98	*14*,14	B
3779	25	e 1, 2 f	9.42	00,00	B
3797	22	g 3, 3 h	10.17	05,*05*	B
3821	11	l 2, 2 m	11.06	19,*19*	B
3829	26	m 2, 3 n	11.14	13,*12*	B
3846	10	n 2, 3 o	11.42	10,*10*	B
3848	11	n 3, 2 o	11.52	10,*10*	B
3891	29	l 1, 2 m	11.01	14,*14*	Bp
3958	7	b 3, 3 c	7.96	*06*,06	B
3964	5	b 3, 2 c	8.01	*11*,11	B
3990	5	c 1, 2 d	8.38	04,*04*	B
3994	30	b 2, 1 c	8.01	*21*,21	B
4017	11	f 3, 3 g	9.77	15,*15*	B
4017	15	f 1, 1 g	9.77	*05*,05	B
4037	19	h 3, 2 k	10.66	06,*06*	B
4057	16	m 2, 2 n	11.20	07,*08*	B
4067	11	n 1, 2 o	11.42	00,00	B
4070	12	n 3, 2 o	11.52	10,*10*	B
4079	17	n 3, 1 o	11.57	05,*05*	B
4084	11	n 3, 2 o	11.52	10,*10*	B
4094	10	n 3, 1 o	11.57	05,*05*	B

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
124. *180363.* R PAVONIS.						124. *180363.* R PAVONIS.						124. *180363.* R PAVONIS.					
4107	11	n 3, 3 o	11.47	15,*15*	B	5523	60	d 3, 2 e	8.98	*14*,14	B	6221	64	b 3, 3 c	7.96	*06*,06	B
4147	10	g 2, 3 h	10.12	00,00	B	5530	60	c 2, 2 d	8.43	09,*09*	B	6226	60	a 4	7.48	A	Be
4172	10	b 1, 1 c	7.96	*26*,26	B	5532	10	c 2, 1 d	8.48	04,*04*	B	6229	69	b 1, 3 c	7.86	*16*,16	B
4182	10	b 2, 2 c	7.96	*16*,16	B	5532	61	b 4, 2 c	8.06	*06*,06	Bd	6240	67	b 2, 3 c	7.91	*11*,11	B
4183	10	b 3, 2 c	8.01	*11*,11	B	5533	60	b 3, 2 c	8.01	*11*,11	B	6242	63	b 3, 3 c	7.96	*06*,06	B
4382	10	e 2, 2 f	9.47	05,*05*	B	5533	10	d 2, 3 e	8.88	*14*,14	Be	6253	10	b 3, 2 c	8.01	*11*,11	B
4393	10	d 2, 3 e	8.88	*14*,14	B	5533	10	b 3, 2 c	8.01	*11*,11	Bd	6254	10	b 2, 2 c	7.96	*16*,16	B
4406	16	b 2, 2 c	7.96	*16*,16	B	5541	60	b 4, 3 c	8.01	*01*,01	B	6254	61	b 3, 3 c	7.96	*06*,06	B
4422	10	b 3, 3 c	7.96	*06*,06	B	5542	70	2 c	8.12	A	Be	6269	60	b 3, 2 c	8.01	*11*,11	B
4448	14	b 2, 1 c	8.01	*21*,21	B	5542	10	b 2, 2 c	7.96	*16*,16	B	6278	60	c 3, 2 d	8.48	14,*14*	B
4455	*38*	d 1, 2 e	8.88	*24*,24	B	5557	60	b 3, 2 c	8.01	*11*,11	B	6281	62	d 3, 2 e	8.98	*14*,14	B
4479	10	f 1, 1 g	9.77	*05*,05	B	5558	60	b 2, 2 c	7.96	*16*,16	B	6282	63	d 3, 4 e	8.88	*04*,04	B
4575	13	g 3, 2 h	10.22	00,00	B	5560	60	3 c	8.02	A	Be	6295	66	e 2, 1 f	9.52	00,00	B
4753	10	n 2, 3 o	11.42	10,*10*	B	5560	60	c 1, 3 d	8.33	09,*09*	B	6297	61	e 2, 2 f	9.47	05,*05*	B
4795	11	k 2, 2 l	10.92	08,*07*	B	5561	60	c 1, 2 d	8.38	04,*04*	B	6298	10	e 2, 1 f	9.52	00,00	B
4795	12	l 1, 2 m	11.01	14,*14*	B	5575	28	d 3, 4 e	8.88	*04*,04	B	6302	60	e 2, 1 f	9.52	00,00	B
4854	10	b 2, 1 c	8.01	*21*,21	B	5575	60	d 3, 2 e	8.98	*14*,14	B	6310	60	g 3, 2 h	10.22	00,00	B
4863	65	b 3, 3 c	7.96	*06*,06	B	5585	241	d 3, 3 e	8.93	*09*,09	B	6311	63	g 3, 2 h	10.22	00,00	B
4863	10	b 1, 2 c	7.91	*21*,21	B	5586	265	d 3, 3 e	8.93	*09*,09	B	6376	60	m 2, 2 n	11.20	07,*08*	B
4871	79	b 1, 3 c	7.86	*16*,16	B	5590	64	e 3, 3 f	9.47	15,*15*	B	6396	14	g 3, 2 h	10.22	00,00	B
4874	67	b 3, 4 c	7.91	*01*,01	B	5599	77	f 2, 2 g	9.77	05,*05*	B	6603	10	n 1	11.42	A	B
4875	74	b 3, 2 c	8.01	*11*,11	B	5605	61	f 2, 2 g	9.77	05,*05*	B	6604	10	n 1, 3 o	11.37	05,*05*	B
4884	10	b 3, 2 c	8.01	*11*,11	B	5607	67	f 3, 2 g	9.82	10,*10*	B	6620	60	k 2, 3 l	10.88	12,*13*	B
4890	10	b 2, 2 c	7.96	*16*,16	B	5646	62	h 3, 1 k	10.71	01,*01*	B	6625	10	h 3, 2 k	10.66	06,*06*	B
4891	63	c 1, 2 d	8.38	04,*04*	B	5649	11	l 2, 3 m	11.01	24,*24*	B	6634	60	g 1	10.02	A	Bd
4899	.60	d 3, 2 e	8.98	*14*,14	B	5659	65	g 1, N	*10.0*		B	6636	60	h 2, 3 k	10.56	06,*06*	B
4925	60	f 2, 2 g	9.77	05,*05*	B	5868	60	f 2, 1 g	9.82	00,00	B	6650	61	f 2, 2 g	9.77	05,*05*	B
4927	60	f 2, 3 g	9.72	10,*10*	B	5887	10	n 2, 2 o	11.47	05,*05*	B	6652	61	f 1, 3 g	9.67	05,*05*	B
4942	11	h 3, 2 k	10.66	06,*06*	B	5910	60	n 3, 1 o	11.57	05,*05*	B	6653	50	e 3, 1 f	9.57	05,*05*	B
5116	79	b 2, 1 c	8.01	*21*,21	B	5912	60	o 3, 2 p	11.87	05,*05*	B	6662	60	e 2, 3 f	9.42	10,*10*	B
5116	79	b 3, 2 c	8.01	*11*,11	B	5918	11	n 3, 2 o	11.52	10,*10*	B	6667	64	d 4, 2 e	9.03	*09*,09	B
5143	61	d 2, 2 e	8.93	*19*,19	B	5927	60	m 2, 1 n	11.24	03,*02*	B	6680	76	b 4, 2 c	8.06	*06*,06	B
5148	62	e 1, 3 f	9.37	05,*05*	B	5928	60	n 2, 2 o	11.47	05,*05*	B	6685	76	b 3, 1 c	8.06	*16*,16	B
5161	64	g 1, 2 h	10.12	*10*,10	B	5932	60	m 1, 2 n	11.14	03,*02*	B	6697	70	b 3, 2 c	8.01	*11*,11	B
5161	10	g 1, 2 h	10.12	*10*,10	B	5943	60	h 2, 2 k	10.61	01,*01*	B	6697	240	b 1, 2 c	7.91	*21*,21	B
5163	10	g 2, 2 h	10.17	*05*,05	B	5973	60	d 3, 3 e	8.93	*09*,09	B	6706	68	b 4, 2 c	8.06	*06*,06	B
5203	60	h 3, 1 k	10.71	01,*01*	Be	5974	60	d 3, 1 e	9.03	*19*,19	B	6713	63	b 4, 2 c	8.06	*06*,06	B
5221	66	l 2, 1 m	11.11	14,*14*	B	6006	60	b 3, 2 c	8.01	*11*,11	B	6726	60	d 1, 3 e	8.83	*19*,19	B
5235	61	k 1, N	*10.9*		B	6006	10	b 3, 2 c	8.01	*11*,11	B	6741	65	d 3, 1 e	9.03	*19*,19	B
5235	*60*	k 1, N	*10.9*		Bd	6008	60	c 1, 3 d	8.33	09,*09*	B	6745	61	e 2, 3 f	9.42	10,*10*	B
5261	62	e 2, 3 f	9.42	10,*10*	Bi	6011	60	b 2, 3 c	7.91	*11*,11	B	6760	62	f 2, 1 g	9.82	00,00	B
5264	10	e 1, 3 f	9.37	05,*05*	B	6022	60	b 3, 2 c	8.01	*11*,11	B	6932	61	b 4, 3 c	8.01	*01*,01	B
5267	60	e 2, 2 f	9.47	05,*05*	B	6033	60	d 2, 3 e	8.88	*14*,14	B	6933	60	b 3, 2 c	8.01	*11*,11	B
5274	10	d 3, 2 e	8.98	*14*,14	B	6034	60	d 2, 3 e	8.88	*14*,14	Bde	6933	62	b 3, 2 c	8.01	*11*,11	B
5274	67	d 4, 2 e	9.03	*09*,09	Bd	6044	60	d 3, 3 e	8.93	*09*,09	B	6935	60	b 3, 2 c	8.01	*11*,11	B
5481	64	g 3, 1 h	10.27	*05*,05	B	6045	66	d 3, 2 e	8.98	*14*,14	B	6937	60	b 4, 2 c	8.06	*06*,06	B
5519	80	d 4, 3 e	8.98	*04*,04	B	6183	64	k 1, N	*10.9*		B	6937	10	b 3, 2 c	8.01	*11*,11	B

124. *180363*. R PAVONIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6938	60	b 4, 2 c	8.06	*06*,06	B
6938	60	b 4, 1 c	8.11	*11*,11	B
6957	60	d 2, 3 e	8.88	*14*,14	B
6958	10	c 2, 1 d	8.48	*04*,04	B
6960	60	d 2, 4 e	8.83	*09*,09	B
6964	65	d 3, 2 e	8.98	*14*,14	B
6968	63	d 3, 3 e	8.93	*09*,09	B
6975	68	d 4, 3 e	8.98	*04*,04	B
6975	60	d 4, 2 e	9.03	*09*,09	B
6977	67	d 4, 2 e	9.03	*09*,09	B
6981	62	e 1, 3 f	9.37	05,*05*	B
6988	60	d 3, 1 e	9.03	*19*,19	B
6999	61	f 2, 3 g	9.72	10,*10*	B
6999	59	e 1, 2 f	9.42	00,00	B
7000	69	f 2, 2 g	9.77	05,*05*	B
7007	61	f 1	9.72	A	B
7032	71	h 2, 1 k	10.66	*04*,04	B
7068	10	k 2, 1 l	10.98	02,*03*	B
7080	11	h 2, 3 k	10.56	06,*06*	B
7094	62	g 2, 1 h	10.22	*10*,10	B
7096	64	e 3, 0 f	9.62	00,00	B
7097	63	f 2, 3 g	9.72	10,*10*	B
7098	60	f 2, 1 g	9.82	00,00	B
7098	60	f 1, 2 g	9.72	00,00	B
7124	78	c 1, 2 d	8.38	04,*04*	B
7125	65	b 5, 2 c	8.11	*01*,01	B

127. *181949*. T TELESCOPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1175	45	q 1, N	*12.5*		B
1197	10	q 1, N	*12.5*		B
1220	68	l 3, 1 m	11.45	06,*06*	B
"	"	m 2, 1 n	11.65	04,*04*	B
1221	10	m 1, 1 n	11.60	*01*,01	B
1240	60	p 1, N	*12.2*		B
1516	60	q 1, 1 r	12.48	03,*02*	B
1565	60	q 1, N	*12.5*		B
1882	10	q 1, N	*12.5*		B
1883	11	q 1, N	*12.5*		B
2660	115	s 1, N	*12.7*		B
3030	10	l 2, 2 m	11.35	06,*06*	B
3030	10	m 1, N	*11.5*		Be
3057	12	q 2, N	*12.6*		B
3087	16	q 2, N	*12.6*		B
3349	10	r 1, N	*12.6*		B
3349	13	s 1, N	*12.7*		B
	m.				
3384	10	s 1, N	*12.7*		B
3442	14	s 1, N	*12.7*		B
3716	10	q 1, N	*12.5*		B
3848	11	r 1, N	*12.6*		B
3875	10	q 1, N	*12.5*		B
4067	11	o 2, 1 p	12.10	01,*01*	B
4077	11	o 2, 1 p	12.10	01,*01*	B
4085	14	n 1, 1 o	11.81	00,00	Be
4140	10	m 1, N	*11.5*		B
4190	17	r 1, N	*12.6*		Bp
4393	10	q 1, N	*12.5*		B
4441	10	q 2, N	*12.6*		B
4482	71	s 2, N	*12.8*		B
4515	60	s 2, N	*12.8*		B
4536	10	s 1	12.76	A	B
4570	10	o 1	12.01	A	B
4585	10	p 3, 1 q	12.40	09,*09*	Bd
4750	11	r 1, N	*12.6*		B
4814	*227*	l 2, 1 m	11.40	01,*01*	B
4822	10	l 2, 2 m	11.35	06,*06*	B
4823	10	l 1, 2 m	11.30	01,*01*	B
4854	10	q 1, 1 r	12.48	03,*02*	B
4899	60	s 2, N	*12.8*		B
4941	11	r 1, N	*12.6*		B
5158	10	r 1, N	*12.6*		B
5175	62	s 2, N	*12.8*		B
5222	64	h 2, N	*10.6*		B
5275	60	s 1, N	*12.7*		B
5530	60	s 1, N	*12.7*		B
5575	52	l 2, 2 m	11.35	06,*06*	B
5638	60	r 1, 2 s	12.56	10,*10*	B
5640	60	q 1, 2 r	12.44	07,*08*	B
5659	60	r 1, 2 s	12.56	10,*10*	B
5866	10	q 1, 1 r	12.48	03,*02*	B
5868	10	q 1, 1 r	12.48	03,*02*	B
5872	60	q 2, 1 r	12.54	07,*08*	B
5911	61	s 1, N	*12.7*		B
5915	60	o 1, N	*12.0*		B
5943	60	o 1, N	*12.0*		B
6016	10	p 1, N	*12.2*		B
6240	10	s 1, N	*12.7*		B
6254	61	q 1, N	*12.5*		B
6257	60	o 2, N	*12.1*		B
6286	480	n 1, 1 o	11.81	00,00	Bp
6327	11	q 1, 2 r	12.44	07,*08*	B
6339	65	n 1, 2 o	11.76	05,*05*	B
6359	10	o 1, 2 p	12.00	01,*01*	B
	m.				
6361	10	p 3, 1 q	12.40	09,*09*	B
6583	10	n 3, 2 o	11.86	15,*15*	B
6604	10	n 1, 2 o	11.76	05,*05*	B
6605	10	o 1, 2 p	12.00	01,*01*	B
6626	10	q 1, 2 r	12.44	07,*08*	B
6640	64	r 1, 2 s	12.56	10,*10*	B
6661	36	t 3, 1 u	13.38	*02*,01	B
6663	96	t 3, 1 u	13.38	*02*,01	B
6703	240	s 4, N	*13.0*		B
6934	10	r 1, N	*12.6*		B
6957	11	r 1, N	*12.6*		B
7056	240	t 3, 1 u	13.38	*02*,01	B
7094	10	m 3, 1 n	11.70	09,*09*	B
7095	10	l 3, 1 m	11.45	06,*06*	B

128. *182133*. RV SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1167	10	h 3, N	*9.7*		F
1192	10	d 5, 0 e, 4 f	8.61	06,*02*, *04*	F
"	"	e 3, 2 f	8.83	06,*06*	F
1208	60	d 2, 3 e	8.33	04,*04*	F
1221	10	d 1, 4 e	8.23	04,*04*	F
1223	10	d 3, 2 e	8.43	04,*04*	F
1223	10	e 1, 4 f	8.63	06,*06*	F
1250	10	g 1, 3 h	9.24	05,*05*	Fde
1286	25	k 4, N	*10.2*		F
1510	60	f 1, 2 g	9.03	04,*04*	F
"	"	g 2, 2 h	9.34	05,*05*	F
1882	10	e 4, 1 f	8.93	06,*06*	F
1882	10	e 2, 2 f	8.78	01,*01*	F
1883	10	e 3, 2 f	8.83	06,*06*	F
1883	10	e 4, 1 f	8.93	06,*06*	F
1950	*67*	h 1, N	*9.5*		F
1993	2	m 1, N	*10.6*		F
2630	61	q 2, 3 r	12.12	06,*07*	F
2630	90	q 2, 3 r	12.12	06,*07*	F
2639	10	q 1	12.08	A	F
2667	10	q 3, 1 r	12.26	02,*01*	F
3048	10	m 4, 1 n	10.90	04,*04*	F
3057	10	l 3, 2 m	10.46	13,*12*	F
3259	30	l 3, N	*10.5*		F
3348	10	o 2, 3 p	11.42	04,*04*	F
3349	10	o 1, 4 p	11.32	04,*04*	F
3362	*60*	k 1	9.94	A	B
3374	*60*	h 1, 2 k	9.62	*03*,02	F

128. *182133.* RV SAGITTARII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3374	*60*	h 3, 1 k	9.74	01,00	Fr
3384	10	k 2, 3 l	10.02	02,*03*	F
3384	11	k 3, 2 l	10.12	02,*03*	F
3421	*92*	e 1, 3 f	8.68	01,*01*	F
“	“	e 4, 1 f	8.93	06,*06*	F
3442	10	d 3, 1 e	8.48	*01*,01	F
“	“	d 5, 0 e, 5 f	8.58	09,01, *11*	F
3442	10	d 5, 0 e, 4 f	8.61	06,*02*, *04*	Fd
“	“	d 4, 1 e	8.53	04,*04*	F
3443	*120*	e 3, 1 f	8.88	01,*01*	F
3451	*92*	e 4, 0 f, 2 g	8.98	01,*01*, 01	F
3689	6	k 2, 1 l	10.12	*08*,07	B
3714	12	k 2, 1 l	10.12	*08*,07	B
3716	17	k 2, 2 l	10.06	*02*,03	B
3716	11	h 2, 1 k	9.72	*03*,02	B
3728	23	k 1, 2 l	10.02	*08*,07	B
3738	10	e 2, 1 f	8.83	*04*,04	Bd
3738	10	e 1, 2 f	8.73	*04*,04	B
3742	12	e 1, 1 f	8.78	*09*,09	B
3742	12	e 1, 2 f	8.73	*04*,04	B
3749	*90*	g 1, 2 h	9.29	00,00	B
3758	10	e 2, 1 f	8.83	*04*,04	B
3762	10	e 2, 1 f	8.83	*04*,04	B
3783	21	f 1, 2 g	9.03	04,*04*	B
3786	12	e 2, 1 f	8.83	*04*,04	B
3797	12	g 1, 3 h	9.24	05,*05*	B
3797	11	g 2, 3 h	9.29	10,*10*	B
3813	*61*	g 2, 1 h	9.39	00,00	B
3831	11	l 1, 2 m	10.36	03,*02*	B
3846	10	m 3, 2 n	10.80	04,*04*	B
3848	11	m 1, 2 n	10.70	*06*,06	B
3860	11	n 2, 2 o	11.11	05,*05*	B
3889	12	o 1, N	*11.3*		B
3990	10	n 2, 1 o	11.16	00,00	B
4017	10	m 1, 2 n	10.70	*06*,06	B
4017	12	l 1, 2 m	10.36	03,*02*	B
4037	11	k 1, 2 l	10.02	*08*,07	B
4038	13	k 3, 2 l	10.12	02,*03*	B
4057	11	g 2, 1 h	9.39	00,00	B
4057	12	g 2, 1 h	9.39	00,00	B
4070	13	g 1, 2 h	9.29	00,00	B
4071	10	e 2, 1 f	8.83	*04*,04	B
4073	14	e 1, 1 f	8.78	*09*,09	B
4077	11	g 1, 2 h	9.29	00,00	B
4084	10	f 1, 1 g	9.08	*01*,01	B
4084	13	e 1, 2 f	8.73	*04*,04	B
4094	11	e 1, 1 f	8.78	*09*,09	B
4107	10	g 1, 2 h	9.29	00,00	B
4107	10	e 2, 1 f	8.83	*04*,04	B
4126	*49*	m 1	10.64	A	B
4132	*60*	m 1	10.64	A	B
4156	11	m 2, 3 n	10.70	04,*04*	B
4156	10	m 2, 1 n	10.80	*06*,06	B
4160	60	m 3, 2 n	10.80	04,*04*	B
4163	60	n 1, 2 o	11.06	00,00	B
4181	10	n 2, 2 o	11.11	05,*05*	B
4182	12	o 1, 3 p	11.37	*01*,01	B
4182	13	n 2, 1 o	11.16	00,00	B
4189	10	o 2, 3 p	11.42	04,*04*	B
4204	10	p 2, 2 q	11.83	05,*05*	B
4393	10	e 1, 2 f	8.73	*04*,04	B
4406	10	d 2, 2 e	8.38	*01*,01	Bde
4422	13	e 2, 1 f	8.83	*04*,04	B
4435	13	e 2, 1 f	8.83	*04*,04	B
4448	12	g 2, 2 h	9.34	05,*05*	B
4461	21	k 2, 2 l	10.06	*02*,03	B
4536	10	o 2, 2 p	11.47	*01*,01	B
4570	10	o 1	11.36	A	B
4750	10	g 1, 2 h	9.29	00,00	B
4751	10	d 2, 2 e	8.38	*01*,01	B
“	“	e 2, 0 f, 3 g	8.88	*09*,09, 01	B
4823	10	o 1, 2 p	11.42	*06*,06	B
4823	10	o 2, 1 p	11.52	*06*,06	B
4823	15	o 2, 1 p	11.52	*06*,06	B
4863	10	r 2, N	*12.5*		B
4872	270	q 2, 1 r	12.22	*04*,03	B
4874	185	r 3, 2 s	12.62	03,*02*	B
4875	80	r 2, 2 s	12.58	*03*,02	B
4892	10	q 2, N	*12.1*		B
4941	10	o 2, 2 p	11.47	*01*,01	B
5110	63	m 2, 2 n	10.75	*01*,01	B
5158	10	o 2, 2 p	11.47	*01*,01	B
5162	10	p 1, 2 q	11.78	00,00	B
5173	60	q 2, 2 r	12.16	02,*01*	B
5264	11	o 3, 2 p	11.52	04,*04*	B
5278	62	o 2, 2 p	11.47	*01*,01	B
5304	10	m 2, 2 n	10.75	*01*,01	B
5532	10	r 1, N	*12.4*		Br
5599	62	n 1, 1 o	11.11	*05*,05	B
5602	69	l 1, 2 m	10.36	03,*02*	B
5607	86	m 3, 3 n	10.75	09,*09*	B
5618	60	k 2, 2 l	10.06	*02*,03	B
5620	60	k 2, 1 l	10.12	*08*,07	B
5632	67	k 2, 3 l	10.02	02,*03*	B
5634	60	k 2, 1 l	10.12	*08*,07	B
5659	71	g 2, 2 h	9.34	05,*05*	B
5661	10	g 2, 2 h	9.34	05,*05*	B
5666	60	f 2, 2 g	9.08	09,*09*	B
5668	68	e 2, 1 f	8.83	*04*,04	B
5668	10	g 2, 3 h	9.29	10,*10*	B
5868	10	q 2, 1 r	12.22	*04*,03	B
5897	10	o 3, 2 p	11.52	04,*04*	B
5913	60	n 2, 2 o	11.11	05,*05*	B
5926	60	m 3, 2 n	10.80	04,*04*	B
5933	60	n 1, 1 o	11.11	*05*,05	B
5934	60	m 3, 2 n	10.80	04,*04*	B
5938	491	m 2, 2 n	10.75	*01*,01	B
5939	60	m 2, 1 n	10.80	*06*,06	B
5943	60	m 3, 2 n	10.80	04,*04*	B
5945	60	m 3, 2 n	10.80	04,*04*	B
5961	260	l 1, 2 m	10.36	03,*02*	B
5966	24	h 3, 2 k	9.72	07,*08*	B
5966	188	k 1, 2 l	10.02	*08*,07	B
5966	262	k 1, 1 l	10.06	*12*,13	B
5971	60	h 2, 2 k	9.66	03,*02*	B
5993	122	e 1, 2 f	8.73	*04*,04	B
6006	60	e 1, 2 f	8.73	*04*,04	B
6010	60	f 1, 1 g	9.08	*01*,01	B
6016	10	g 2, 3 h	9.29	10,*10*	Bdr
6023	60	g 1, 2 h	9.29	00,00	B
6027	60	g 2, 1 h	9.39	00,00	B
6033	60	g 2, 2 h	9.34	05,*05*	B
6033	60	g 2, 2 h	9.34	05,*05*	B
6034	10	g 2, 2 h	9.34	05,*05*	B
6044	60	h 3, 2 k	9.72	07,*08*	B
6208	60	o 3, 2 p	11.52	04,*04*	B
6226	60	m 3, 2 n	10.80	04,*04*	B
6237	11	k 3, 2 l	10.12	02,*03*	B
6240	10	k 1, 2 l	10.02	*08*,07	B
6241	60	k 2, 2 l	10.06	*02*,03	B
6241	10	k 2, 1 l	10.12	*08*,07	B
6253	60	h 2, 1 k	9.72	*03*,02	B
6254	61	g 1, 2 h	9.29	00,00	B
6254	60	g 2, 3 h	9.29	10,*10*	B
6268	60	g 2, 2 h	9.34	05,*05*	B
6270	60	g 3, 2 h	9.39	10,*10*	B
6281	60	e 2, 2 f	8.78	01,*01*	B

128. *182133.* RV SAGITTARII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6281	62	e 1, 2 f	8.73	*04*,04	B
6283	61	e 2, 1 f	8.83	*04*,04	B
6284	60	e 2, 3 f	8.73	06,*06*	B
6288	60	g 1, 2 h	9.29	00,00	B
6290	60	g 2, 2 h	9.34	05,*05*	B
6292	60	d 3, 2 e	8.43	04,*04*	B
6293	60	e 2, 3 f	8.73	06,*06*	B
6297	66	d 2, 1 e	8.43	*06*,06	B
6308	69	d 1, 2 e	8.33	*06*,06	B
6311	60	d 1, 2 e	8.33	*06*,06	B
6316	63	d 3, 2 e	8.43	04,*04*	B
6319	73	d 2, 2 e	8.38	*01*,01	B
6321	*60*	d 2, 1 e	8.43	*06*,06	B
6327	10	d 2, 1 e	8.43	*06*,06	Bd
6337	60	d 2, 1 e	8.43	*06*,06	B
6338	63	e 3, 3 f	8.78	11,*11*	B
6340	60	e 2, 2 f	8.78	01,*01*	B
6340	63	e 2, 2 f	8.78	01,*01*	B
6345	60	f 1, 1 g	9.08	*01*,01	B
6359	10	g 1, 2 h	9.29	00,00	B
6359	61	g 2, 1 h	9.39	00,00	B
6361	60	h 2, 2 k	9.66	03,*02*	B
6361	10	g 2, 2 h	9.34	05,*05*	B
6375	60	k 1, 2 l	10.02	*08*,07	B
6376	63	k 2, 1 l	10.12	*08*,07	B
6397	64	m 3, 2 n	10.80	04,*04*	B
6400	68	n 2, N	*11.1*		B
6583	10	g 2, 1 h	9.39	00,00	B
6583	62	h 2, 1 k	9.72	*03*,02	B
6593	61	h 3, 1 k	9.76	03,*02*	B
6604	8	g 1, 2 h	9.29	00,00	B
6606	60	f 2, 1 g	9.13	04,*04*	B
6607	28	e 1, 2 f	8.73	*04*,04	B
6608	60	f 1, 0 g, 2 h	9.18	*11*,01, 11	B
6614	60	f 2, 3 g	9.03	14,*14*	B
6624	10	e 1, 3 f	8.68	01,*01*	B
6626	10	d 1, 2 e	8.33	*06*,06	B
6634	60	e 2, 3 f	8.73	06,*06*	B
6636	60	d 3, 2 e	8.38	*01*,01	B
6639	67	e 2, 3 f	8.73	06,*06*	B
6643	63	d 2, 3 e	8.33	04,*04*	B
6650	60	e 1, 3 f	8.68	01,*01*	B
6663	60	g 1, 2 h	9.29	00,00	B
6682	62	k 2, 3 l	10.02	02,*03*	B
6683	69	h 3, 1 k	9.76	03,*02*	B
6685	61	h 3, 1 k	9.76	03,*02*	B

128. *182133.* RV SAGITTARII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6705	63	m 3, 4 n	10.70	14,*14*	B
6711	62	n 2, 3 o	11.06	10,*10*	B
6922	60	e 2, 0 f, 2 g	8.92	*13*,05, 07	B
6933	62	e 3, 1 f	8.88	01,*01*	B
6934	10	e 3, 3 f	8.78	11,*11*	B
6938	60	e 2, 2 f	8.78	01,*01*	B
6943	65	e 2, 3 f	8.73	06,*06*	B
6957	10	d 2, 3 e	8.33	04,*04*	B
6964	65	e 1, 3 f	8.68	01,*01*	B
6968	71	e 1, 3 f	8.68	01,*01*	B
6975	60	e 3, 1 f	8.88	01,*01*	B
6977	67	f 2, 1 g	9.13	04,*04*	B
6979	60	f 1, 2 g	9.03	04,*04*	B
6988	60	g 2, 1 h	9.39	00,00	B
6999	59	k 2, 3 l	10.02	02,*03*	B
7007	63	k 3, 2 l	10.12	02,*03*	B
7009	60	m 2, 3 n	10.70	04,*04*	B
7017	61	m 3, 2 n	10.80	04,*04*	B
7032	62	n 3, 3 o	11.11	15,*15*	B
7039	60	m 4, 1 n	10.90	04,*04*	B
7039	10	o 1, 3 p	11.37	*01*,01	B
7095	10	p 1, N	*11.7*		B
7096	64	m 2, 2 n	10.75	*01*,01	Br
7125	10	r 1, N	*12.4*		B

129. *182345.* Z CORONAE AUSTRALIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1187	60	n 1, 3 o	12.10	08,*09*	B
1206	60	n 2, 2 o	12.20	08,*09*	B
1237	60	q 1, N	*12.7*		B
1483	60	n 1, N	*12.1*		B
1533	61	n 1, N	*12.1*		B
1882	11	m 2, N	*12.0*		B
2639	10	o 1, N	*12.4*		B
2660	115	m 2, 3 n	11.90	13,*12*	B
3057	12	n 1, N	*12.1*		Bd
3087	10	m 1, N	*11.9*		Be
3348	10	m 2, 2 n	11.96	07,*08*	B
3349	10	m 1, 2 n	11.90	03,*02*	B
3384	10	n 2, 1 o	12.24	04,*03*	B
3384	10	p 1, 1 q	12.58	03,*04*	B
3442	10	q 3, N	*12.9*		B
3716	10	p 1, N	*12.6*		B
3776	61	q 3, N	*12.9*		Bd

129. *182345.* Z CORONAE AUSTRALIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4067	11	q 2, N	*12.8*		Bd
4141	11	o 1, N	*12.4*		B
4190	17	o 1, N	*12.4*		B
4441	10	p 1, N	*12.6*		B
4494	60	n 2, 3 o	12.14	14,*13*	B
4515	60	m 2, 1 n	12.00	03,*02*	B
4518	60	n 1, 3 o	12.10	08,*09*	B
4536	10	n 2, 2 o	12.20	08,*09*	B
4751	10	o 1	12.41	A	B
4815	*60*	g 3, 1 h	11.07	06,*06*	Bd
4822	10	g 2, 2 h	10.97	06,*06*	B
4823	10	g 1, 2 h	10.92	01,*01*	B
4854	11	m 2, 1 n	12.00	03,*02*	B
4862	13	m 2, 1 n	12.00	03,*02*	B
4891	60	k 2, N	*11.5*		B
4891	12	o 1, N	*12.4*		B
5275	60	q 2, N	*12.8*		B
5529	60	q 3, N	*12.9*		B
5575	52	q 1, N	*12.7*		Bd
5631	60	q 2, N	*12.8*		B
5634	48	q 2, N	*12.8*		B
5648	62	q 3, N	*12.9*		B
5667	60	q 3, N	*12.9*		B
5868	10	q 1, N	*12.7*		B
5938	61	q 1, N	*12.7*		B
5941	60	q 1, N	*12.7*		B
5962	60	q 1, N	*12.7*		B
6237	10	p 1, N	*12.6*		B
6240	10	q 1, N	*12.7*		B
6269	10	n 1, N	*12.1*		B
6308	69	l 1, N	*11.7*		B
6310	60	l 1, N	*11.7*		B
6327	11	k 2, 1 l	11.51	00,00	B
6361	10	m 2, 2 n	11.96	07,*08*	B
6583	10	o 1, N	*12.4*		B
6604	10	n 2, 3 o	12.14	14,*13*	B
6605	10	n 1, 4 o	12.04	14,*13*	B
6626	10	l 2, 1 m	11.77	04,*04*	B
6634	10	k 2, 1 l	11.51	00,00	B
6640	64	k 2, 3 l	11.41	10,*10*	B
6661	36	m 2, 3 n	11.90	13,*12*	B
6663	96	m 2, 3 n	11.90	13,*12*	B
6703	240	q 3, 3 r	12.84	*03*,03	B
6934	10	m 1, 2 n	11.90	03,*02*	B
6957	10	l 1	11.71	A	Br
6958	10	l 2, 0 m	11.82	*01*,01	B
7039	10	o 1, N	*12.4*		B

129. *182345.* Z CORONAE AUSTRALIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7056	240	q 4, 2 r	13.00	04,*03*	B
7095	10	q 1, N	*12.7*		B

133. *183838.* — CORONAE AUSTRALIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1201	60	p 3, 2 q	12.35	15,*15*	B
1208	60	q 2, N	*12.6*		Bd
1250	10	r 1, N	*12.7*		B
1508	60	l 2, 2 m	11.39	*01*,01	B
1510	60	l 3, 3 m	11.39	09,*09*	B
1541	60	m 1, N	*11.7*		B
1873	10	s 1, N	*13.0*		B
1963	*10*	o 1, N	*12.1*		Bp
2582	10	s 2, 3 t	13.04	09,*09*	B
2586	10	n 3, 2 o	11.97	15,*15*	B
2592	10	m 3, 2 n	11.76	14,*14*	B
2592	10	n 3, 2 o	11.97	15,*15*	B
2592	10	m 2, 3 n	11.66	14,*14*	B
2638	10	l 3, 3 m	11.39	09,*09*	B
2638	10	l 3, 2 m	11.44	04,*04*	B
2638	10	l 3, 1 m	11.49	*01*,01	B
2639	10	l 3, 2 m	11.44	04,*04*	B
2639	10	l 3, 3 m	11.39	09,*09*	B
2676	10	s 2, 3 t	13.04	09,*09*	B
2676	10	s 2, 2 t	13.09	04,*04*	B
2676	10	s 3, 2 t	13.14	09,*09*	B
2761	10	s 1, N	*13.0*		B
2979	85	q 1	12.50	A	B
3048	10	l 2, 3 m	11.34	04,*04*	B
3048	10	k 2, 3 l	11.10	23,*22*	B
3051	10	h 1, 2 k	10.93	00,00	B
3084	10	l 3, 2 m	11.44	04,*04*	B
3087	70	l 2, 3 m	11.34	04,*04*	B
3087	15	l 2, 2 m	11.39	*01*,01	B
3259	30	k 1, 1 l	11.16	07,*08*	B
3290	30	k 1, 2 l	11.10	13,*12*	B
3292	10	k 3, 3 l	11.16	27,*28*	B
3324	10	p 2, 2 q	12.30	10,*10*	B
3348	10	s 3, 2 t	13.14	09,*09*	B
3349	10	s 2, 2 t	13.09	04,*04*	B
3357	60	s 3, 1 t	13.19	04,*04*	B
3358	60	t 2, N	*13.4*		B
3376	14	t 3, N	*13.5*		B
3409	13	t 1, N	*13.3*		B
3442	11	s 3, 2 t	13.14	09,*09*	B
3482	11	l 3, 2 m	11.44	04,*04*	B
3509	15	l 2, 3 m	11.34	04,*04*	B
3656	60	s 3, 2 t	13.14	09,*09*	B
3715	70	f 2, 2 g	10.32	01,*01*	B
"	"	g 1, 2 h	10.62	*01*,01	B
3716	11	l 2, 3 m	11.34	04,*04*	B
"	"	h 1, 2 k	10.93	00,00	B
3721	60	h 2, 2 k	10.98	05,*05*	B
3723	10	k 1, 2 l	11.10	13,*12*	B
3742	60	l 3, 2 m	11.44	04,*04*	B
3744	12	l 3, 2 m	11.44	04,*04*	B
3748	61	l 3, 2 m	11.44	04,*04*	B
3758	60	n 3, 3 o	11.92	20,*20*	B
3783	22	s 1, 2 t	13.04	*01*,01	B
3783	69	s 2, 3 t	13.04	09,*09*	B
3786	12	r 3, 2 s	12.86	12,*13*	B
3797	11	r 3, 1 s	12.90	08,*07*	B
3804	60	t 2, N	*13.4*		B
3850	10	t 2, N	*13.4*		B
3994	20	r 2, 2 s	12.80	08,*07*	B
4017	12	t 2, N	*13.4*		B
4057	12	t 1, N	*13.3*		B
4070	12	q 1, N	*12.5*		B
4084	13	t 2, N	*13.4*		B
4156	10	l 3, 3 m	11.39	09,*09*	B
"	"	l 3, 2 m	11.44	04,*04*	B
4156	15	l 2, 2 m	11.39	*01*,01	B
4182	13	m 2, 2 n	11.71	09,*09*	B
4182	20	m 1, 2 n	11.66	04,*04*	B
4183	10	n 2, 2 o	11.92	10,*10*	B
4406	10	m 2, 2 n	11.71	09,*09*	B
4422	30	p 2, 3 q	12.25	15,*15*	B
4422	13	o 2, 2 p	12.11	11,*11*	B
4435	13	s 3, 1 t	13.19	04,*04*	B
4435	12	s 2, 2 t	13.09	04,*04*	B
4448	12	s 2, 2 t	13.09	04,*04*	B
4448	12	s 2, 1 t	13.14	*01*,01	B
4461	21	t 3, N	*13.5*		B
4585	10	k 2, 2 l	11.16	17,*18*	B
4605	10	l 3, 2 m	11.44	04,*04*	B
4751	10	s 3, 2 t	13.14	09,*09*	B
4822	10	l 1, 2 m	11.34	*06*,06	B
4823	10	l 2, 3 m	11.34	04,*04*	B
4844	61	m 1, 1 n	11.71	*01*,01	B
4853	10	r 1, 1 s	12.80	*02*,03	B
4862	12	r 2, 1 s	12.86	02,*03*	B
4871	363	s 3, 2 t	13.14	09,*09*	B
4942	11	t 2, N	*13.4*		B
5192	60	u 3, 1 w	13.82	*02*,03	B
5234	62	k 1	11.23	A	Bdi
5261	60	l 2, 3 m	11.34	04,*04*	B
5267	10	m 2, 2 n	11.71	09,*09*	B
5533	10	s 2, 2 t	13.09	04,*04*	B
5547	60	t 2, N	*13.4*		Bd
5659	71	l 3	11.48	A	B
5668	11	l 3, 3 m	11.39	09,*09*	B
"	"	l 1, 4 m	11.24	04,*04*	B
5842	10	q 2, N	*12.6*		B
5866	60	h 2, 2 k	10.98	05,*05*	B
5869	10	l 2, 2 m	11.39	*01*,01	B
5872	60	h 2, 2 k	10.98	05,*05*	B
5885	60	f 3, 2 g	10.37	06,*06*	B
5897	60	l 1, 2 m	11.34	*06*,06	B
5911	62	l 3, 3 m	11.39	09,*09*	B
5913	60	l 3, 2 m	11.44	04,*04*	B
5913	60	m 2, 2 n	11.71	09,*09*	B
5915	10	l 2, 3 m	11.34	04,*04*	B
5915	60	l 3, 2 m	11.44	04,*04*	B
5918	10	l 2, 3 m	11.34	04,*04*	B
5926	60	m 1, 2 n	11.66	04,*04*	B
5938	491	m 2, 2 n	11.71	09,*09*	B
5939	60	n 1, 2 o	11.87	05,*05*	B
5941	60	p 2, 2 q	12.30	10,*10*	B
5942	60	p 1, 2 q	12.25	05,*05*	B
5945	10	o 1, 1 p	12.10	01,00	B
5960	383	n 2, 2 o	11.92	10,*10*	B
5961	260	o 1, 2 p	12.06	06,*06*	B
6012	60	u 3, 2 w	13.78	02,*03*	B
6034	10	s 2, N	*13.1*		B
6253	60	n 1	11.92	A	B
6269	61	t 3, N	*13.5*		Br
6285	60	s 2, 2 t	13.09	04,*04*	B
6308	69	l 3, 2 m	11.44	04,*04*	B
6319	73	m 1	11.70	A	B
6337	60	l 2, 3 m	11.34	04,*04*	B
6340	62	l 2, 2 m	11.39	*01*,01	B
6340	60	l 3, 2 m	11.44	04,*04*	B
6358	11	l 2, 2 m	11.39	*01*,01	B
6359	61	m 1, 2 n	11.66	04,*04*	B
6361	10	l 3, 1 m	11.49	*01*,01	B
6361	60	m 2, 1 n	11.76	04,*04*	B
6583	62	l 3, 2 m	11.44	04,*04*	B
6594	10	n 2, 2 o	11.92	10,*10*	B
6605	10	p 2, 1 q	12.35	05,*05*	B
6624	10	s 1, N	*13.0*		B

133. *183838.* —Coronae Australis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6753	60	m 1	11.70	A	B
6766	60	l 1, 3 m	11.29	*01*,01	B
6933	62	m 2	11.80	A	B
6957	10	n 1, 2 o	11.87	05,*05*	B
6958	11	n 2, 0 o, 2 p	12.01	01,01, *01*	B
6964	65	l 3, 1 m	11.49	*01*,01	B
6968	71	l 3, 2 m	11.44	04,*04*	B
6975	60	k 2, 2 l	11.16	17,*18*	B
6977	67	k 2, 2 l	11.16	17,*18*	B
6979	60	h 1, 2 k	10.93	00,00	B
6988	60	l 2, 3 m	11.34	04,*04*	B
7009	60	m 2, 2 n	11.71	09,*09*	B
7017	61	m 2, 1 n	11.76	04,*04*	B
7095	10	s 1, N	*13.0*		B
7125	10	t 1, N	*13.3*		B

136. *185512*a. ST Sagittarii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
0929	15	r 1, N	*11.7*		B
0941	24	t 1, N	*12.3*		B
1609	15	e 1, 2 f	9.63	10,*10*	B
1873	10	s 1, N	*11.9*		B
1929	10	s 2, N	*12.0*		B
2260	14	q 1, N	*11.4*		B
2347	15	l 1, 2 m	10.44	08,*07*	Be
2584	10	o 1, N	*11.0*		B
2676	10	t 1, N	*12.3*		B
3146	10	l 2	10.62	A	B
3146	10	k 1, 2 l	10.32	10,*10*	B
3348	10	u 1, N	*12.3*		B
3385	27	t 1, N	*12.3*		B
3723	29	u 2, N	*12.4*		B
3847	11	t 1, N	*12.3*		B
4030	10	k 1, 2 l	10.32	10,*10*	B
4038	13	m 1, 2 n	10.62	05,*05*	B
4086	10	s 3, 2 t	12.10	08,*07*	B
4122	10	r 1, N	*11.7*		B
4221	60	u 4, N	*12.6*		B
4406	10	k 1, 1 l	10.37	05,*05*	B
4409	10	l 2, 1 m	10.54	08,*07*	B
4570	10	q 2, N	*11.5*		B
4753	15	e 1, 2 f	9.63	10,*10*	B
4777	10	c 1, 2 d	8.78	00,00	B
4784	11	d 2, 3 e	9.26	*08*,07	B
4789	10	c 2, 1 d	8.88	00,00	Bd
4815	*83*	f 1, 1 g	9.79	04,*04*	B
4818	12	f 1, 2 g	9.74	09,*09*	B
4825	11	g 2, 1 h	10.01	04,*04*	B
4835	16	k 1, 2 l	10.32	10,*10*	B
4844	10	l 1, 2 m	10.44	08,*07*	B
4846	14	n 2, 1 o	10.92	05,*05*	Bd
4853	10	p 1, 2 q	11.15	04,*04*	B
4869	153	q 2, 1 r	11.54	*03*,02	B
4953	160	y 4, 1 z	13.63	00,00	B
4954	150	y 3, 2 z	13.53	00,00	B
5162	10	d 2, 2 e	9.30	*12*,13	B
5163	10	d 2, 2 e	9.30	*12*,13	B
5169	72	d 2, 1 e	9.36	*18*,17	Bdp
5196	10	f 1, 1 g	9.79	04,*04*	B
5224	76	l 2, 2 m	10.50	12,*13*	B
5231	73	m 2, 1 n	10.72	05,*05*	B
5250	*60*	q 1, N	*11.4*		B
5291	60	s 1, N	*11.9*		B
5518	55	k 3, 2 l	10.42	20,*20*	B
5533	65	h 2, 1 k	10.24	03,*02*	B
5533	10	h 2, 3 k	10.14	13,*12*	B
5534	11	k 2, 2 l	10.37	15,*15*	B
5542	63	d 2, 2 e	9.30	*12*,13	B
5546	67	c 3, 2 d	8.88	10,*10*	B
5547	96	b 1, 2 c	8.52	04,*04*	B
5547	61	c 2, 2 d	8.83	05,*05*	B
5548	60	c 1, 1 d	8.83	*05*,05	B
5552	75	c 2, 3 d	8.78	10,*10*	B
5552	59	c 1, 2 d	8.78	00,00	Bde
5558	60	a 2, 2 b	8.42	16,*16*	B
5561	65	a 1, 2 b	8.37	11,*11*	B
5562	79	c 2, 2 d	8.83	05,*05*	B
5571	60	a 2, 2 b	8.42	16,*16*	B
5575	60	b 1, 2 c	8.52	04,*04*	Bde
5591	68	c 2, 3 d	8.78	10,*10*	B
5600	10	d 2, 2 e	9.30	*12*,13	B
5611	70	d 1, 2 e	9.26	*18*,17	B
5620	60	f 2, 2 g	9.79	14,*14*	B
5668	180	p 2, 2 r	11.38	*09*,08	Br
5724	20	s 2, N	*12.0*		B
5869	10	u 1, N	*12.3*		B
5915	10	u 1, N	*12.3*		B
5938	491	m 2, 1 n	10.72	05,*05*	B
5956	60	f 1, 1 g	9.79	04,*04*	B
5960	383	d 2, 2 e	9.30	*12*,13	B
5961	260	d 2, 3 e	9.26	*08*,07	B
5961	60	d 1, 1 e	9.80	28,*27*	B
5962	60	d 2, 2 e	9.30	*12*,13	B
5966	723	c 2, 1 d	8.88	00,00	Br
5971	60	d 2, 3 e	9.26	*08*,07	B
5974	19	c 3, 2 d	8.88	10,*10*	B
5988	67	d 3, 2 e	9.36	*08*,07	B
5993	122	c 2, 2 d	8.83	05,*05*	B
5995	320	h 2, 1 k	10.24	03,*02*	B
6033	60	n 1, 2 o	10.82	05,*05*	B
6033	10	q 1, 2 r	11.44	*03*,02	B
6253	10	u 1, N	*12.3*		B
6310	60	q 2, 3 r	11.44	07,*08*	B
6313	60	u 3, 1 w	12.56	02,*03*	B
6324	60	s 2, 1 t	10.10	*02*,03	B
6338	63	l 1, 2 m	10.44	08,*07*	B
6339	11	h 2, 2 k	10.20	07,*08*	B
6340	63	h 2, 2 k	10.20	07,*08*	B
6344	70	f 1, 2 g	9.74	09,*09*	B
6348	61	d 2, 2 e	9.30	*12*,13	B
6361	62	c 2, 1 d	8.88	00,00	Bde
6361	60	d 1, 2 e	9.26	*18*,17	B
6372	60	c 2, 3 d	8.78	10,*10*	B
6376	62	b 2, 2 c	8.57	09,*09*	B
6407	72	g 2, 2 h	9.96	09,*09*	B
6607	10	t 1, N	*12.3*		B
6634	11	u 1, N	*12.3*		B
6753	60	g 2, 3 h	9.91	14,*14*	B
6755	38	g 2, 2 h	9.96	09,*09*	B
6760	66	g 2, 3 h	9.91	14,*14*	B
6981	10	r 2, N	*11.8*		B
7017	10	r 1, N	*11.7*		B
7018	10	s 2, N	*12.0*		B
7076	11	q 1, N	*11.4*		B
7094	10	n 3, 2 o	10.92	15,*15*	B
7098	10	m 3, 1 n	10.77	10,*10*	B
7105	10	h 3, 0 k, 2 l	10.30	07,02, *08*	B
7107	60	h 2, 2 k	10.20	07,*08*	B
7132	67	A 3, 1 a	8.26	*03*,02	B
7135	60	A 3, 2 a	8.20	03,*02*	B
7140	98	a 2, 1 b	8.47	11,*11*	B

141. *190049.* U Telescopii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1175	45	q 1, N	*12.3*		B
1187	60	q 1, N	*12.3*		B
1191	60	p 2	12.10	A	B

141. *190049.* U Telescopii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1283	12	l 2, 1 m	10.88	*03*,02	B
1483	60	p 1, N	*12.0*		B
1533	60	n 1, N	*11.3*		B
1869	10	m 1, 1 n	11.14	*04*,04	B
1871	10	m 1, 2 n	11.09	01,*01*	B
1873	10	n 2, 2 o	11.39	09,*09*	B
1873	10	m 2, 2 n	11.14	06,*06*	Bdp
1956	10	m 1, N	*11.1*		B
1968	62	h 2, N	*10.2*		B
2362	*98*	g 1, N	*9.8*		B
2582	10	p 1, N	*12.0*		B
2593	10	l 2, N	*10.8*		B
2637	10	e 3, 1 f	9.31	*06*,06	B
2637	10	f 2, 1 g	9.67	00,00	B
2657	*60*	f 2, 2 g	9.62	05,*05*	Bp
2663	*60*	f 2, 1 g	9.67	00,00	B
2995	10	p 1, N	*12.0*		B
3052	10	l 2, 2 m	10.82	03,*02*	B
3057	10	k 4	10.60	A	B
3087	10	k 3, 1 l	10.52	*02*,03	B
3087	10	l 2, 2 m	10.82	03,*02*	B
3145	10	m 1, 2 n	11.09	01,*01*	B
3259	10	n 1, N	*11.3*		B
3323	11	q 2, N	*12.4*		B
3349	13	p 2	12.10	A	B
3385	10	q 2, N	*12.4*		B
3442	10	p 2, N	*12.1*		B
3717	11	r 3, N	*12.7*		B
3754	61	q 1, N	*12.3*		B
3840	12	q 1, N	*12.3*		B
4067	11	n 1	11.38	A	B
4078	10	o 3, 2 p	11.75	05,*05*	B
4086	13	q 1	12.30	A	B
4094	10	p 1	12.00	A	B
4094	10	p 1, 1 q	12.05	*05*,05	B
4183	10	q 1, N	*12.3*		B
4202	10	q 2	12.40	A	B
4398	10	m 1	11.10	A	B
"	"	l 2, 2 m	10.82	03,*02*	B
4409	10	l 1, 2 m	10.78	*03*,02	B
4437	10	l 2, 1 m	10.88	*03*,02	B
4585	10	o 2	11.70	A	Bde
4751	10	q 2, N	*12.4*		B
4816	*60*	g 1, 2 h	9.86	01,*01*	B
4822	10	f 2, 0 g, 1 h	9.80	*13*,*03*, 15	B
4825	13	f 3, 1 g	9.72	05,*05*	B

141. *190049.* U Telescopii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4872	60	k 2, 2 l	10.42	*02*,03	B
4875	60	h 2, 1 k	10.18	07,*08*	B
4882	10	k 2, 0 l, 2 m	10.62	*22*,03, 18	B
4882	14	k 2, 1 l	10.48	*08*,07	B
4891	60	k 3, 1 l	10.52	*02*,03	B
4898	66	l 3, 2 m	10.88	07,*08*	B
4940	10	o 1, 2 p	11.65	*05*,05	B
4942	10	o 2, 1 p	11.75	*05*,05	B
5121	66	q 3, 1 r	12.44	06,*05*	B
5136	61	q 2, 2 r	12.34	06,*05*	B
5191	60	r 2, 1 s	12.60	09,*08*	B
5235	61	k 2, 3 l	10.38	02,*03*	B
5261	60	k 3, 3 l	10.42	08,*07*	B
5267	60	k 3, 3 l	10.42	08,*07*	B
5267	11	k 3, 2 l	10.48	02,*03*	B
5274	11	k 3, 2 l	10.48	02,*03*	B
5278	11	k 3, 3 l	10.42	08,*07*	B
5288	69	k 2, 1 l	10.48	*08*,07	B
5534	11	q 2	12.40	A	B
5541	10	r 1, N	*12.5*		B
5584	74	q 1, 2 r	12.30	00,*01*	B
5588	60	s 1, N	*12.7*		B
5648	60	q 2, 1 r	12.40	00,*01*	B
5869	10	q 1, N	*12.3*		B
5870	10	q 2, 2 r	12.34	06,*05*	B
5915	60	q 2, 2 r	12.34	06,*05*	B
5940	60	q 2, N	*12.4*		B
5971	60	m 1, N	*11.1*		B
6034	10	q 2, N	*12.4*		B
6221	10	m 2, 2 n	11.14	06,*06*	B
6226	60	m 2	11.20	A	B
6229	63	n 2, 2 o	11.39	09,*09*	B
6242	10	o 3, 2 p	11.75	05,*05*	B
6269	10	p 2, 2 q	12.05	05,*05*	B
6302	10	o 2	11.70	A	Be
6308	10	q 2	12.40	A	B
6358	10	r 1, N	*12.5*		B
6583	62	m 1	11.10	A	B
6593	10	l 3, 2 m	10.88	07,*08*	B
6594	10	l 3, 3 m	10.82	13,*12*	B
6594	10	l 1	10.75	A	B
6604	10	l 3, 2 m	10.88	07,*08*	B
6607	60	m 1	11.10	A	B
6607	28	l 2, 2 m	10.82	03,*02*	B
6614	60	l 3, 2 m	10.88	07,*08*	B
6634	60	m 2	11.20	A	B

141. *190049.* U Telescopii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6634	10	n 3, 2 o	11.44	14,*14*	B
6635	10	o 2, 2 p	11.70	00,00	B
6663	10	n 2	11.48	A	Be
"	"	m 1, 2 n	11.09	01,*01*	B
6711	10	q 1	12.30	A	B
6958	10	q 1, N	*12.3*		B
6981	62	p 1	12.00	A	B
6988	10	p 1, 2 q	12.00	00,00	B
7000	69	n 3	11.58	A	B
7010	10	l 2, 1 m	10.88	*03*,02	B
7017	61	l 1, 2 m	10.78	*03*,02	B
7018	10	k 3, 2 l	10.48	02,*03*	B
7032	71	k 2, 3 l	10.38	02,*03*	B
7039	60	k 2, 2 l	10.42	*02*,03	B
7039	60	l 2	10.85	A	B
7039	10	k 3, 1 l	10.52	*02*,03	B
7051	60	l 3, 3 m	10.82	13,*12*	B
7058	240	l 2, 1 m	10.88	*03*,02	B
7068	60	l 3, 3 m	10.82	13,*12*	B
7076	11	l 2, 1 m	10.88	*03*,02	B
7094	10	m 1, 2 n	11.09	01,*01*	B
7094	62	n 2, 3 o	11.34	14,*14*	B
7095	10	l 2, 1 m	10.88	*03*,02	B
7096	64	l 4	11.05	A	B
7121	60	o 2, 1 p	11.75	*05*,05	B

144. *190818.* RX Sagittarii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
0949	10	h 3, N	*11.4*		F
1231	61	n 3, 3 o	12.73	00,00	Bd
1253	10	p 2, N	*13.5*		B
1671	8	g 2, N	*10.9*		F
1885	10	l 3, N	*12.0*		F
"	"	k 1, N	*11.6*		B
2329	84	p 5	13.81	A	F
2584	10	n 3, N	12.73		Bd
2667	10	m 3, N	*12.3*		F
2667	10	m 3, N	*12.3*		Fe
3007	*67*	g 1, N	*10.8*		Bd
3097	*60*	e 3	10.12	A	F
3146	10	h 3, 1 k	11.46	01,*01*	F
"	"	h 2, 3 l	11.59	16,*16*	B
3146	10	g 2, 1 h	11.01	*06*,06	F
"	"	g 2, 1 h	11.01	*06*,06	B
3348	10	l 3, 1 m	12.00	03,*02*	F
3349	10	l 1, 2 m	11.86	*03*,02	F

144. *190818.* RX SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3349	10	l 2, 2 m	11.90	03,*02*	Br
3359	20	k 1, 0 l, 4 m	11.69	*04*,04, 01	F
"	"	l 2, 3 m	11.86	07,*08*	B
3385	10	g 2, 1 h	11.01	*06*,06	F
"	"	g 1, 2 h	10.91	*06*,06	B
3385	10	f 3, 0 g, 3 h	10.74	*14*,01, 13	F
"	"	f 2, 2 g	10.52	*02*,03	B
3387	10	g 2	10.95	A	F
3398	17	f 4, 1 g	10.68	02,*03*	F
"	"	f 3, 3 g	10.52	08,*07*	B
3402	*63*	e 3	10.12	A	F
"	"	e 1, 1 f	10.06	*14*,14	B
3405	24	f 2, 2 g	10.52	*02*,03	F
"	"	f 1, 3 g	10.42	*02*,03	B
3420	22	e 1, 3 f	9.96	*04*,04	F
"	"	e 1, 2 f	10.01	*09*,09	B
3422	*100*	e 3, 1 f	10.16	*04*,04	F
3444	10	e 1, 3 f	9.96	*04*,04	F
"	"	e 2, 1 f	10.11	*09*,09	B
3450	21	e 4, 1 f	10.21	01,*01*	F
"	"	f 1, 3 g	10.42	*02*,03	B
3457	32	f 4, 1 g	10.68	02,*03*	F
"	"	f 2, 1 g	10.58	*08*,07	B
3673	10	m 2, 3 n	12.20	08,*07*	Bd
3689	11	l 2, 3 m	11.86	07,*08*	B
3694	10	l 2, 3 m	11.86	07,*08*	B
3714	10	g 2, 2 h	10.96	*01*,01	B
3717	10	h 2, 2 k	11.36	01,*01*	B
3723	19	h 1	11.27	A	B
3727	10	f 3, 2 g	10.58	02,*03*	B
3730	17	g 2, 2 h	10.96	*01*,01	Bd
3742	12	f 2, 3 g	10.48	02,*03*	B
3742	12	e 2, 2 f	10.06	*04*,04	B
3758	10	f 1, 3 g	10.42	*02*,03	B
3759	10	e 3, 2 f	10.11	01,*01*	B
3779	12	f 2, 2 g	10.52	*02*,03	B
3798	27	h 2, 2 k	11.36	01,*01*	B
3801	13	k 2, 2 l	11.64	11,*11*	B
3826	10	m 2	12.28	A	B
3833	14	m 2, 2 n	12.26	02,*03*	B
3847	11	p 3	13.61	A	B
3994	10	l 2, 2 m	11.90	03,*02*	B
3994	12	l 2, 2 m	11.90	03,*02*	B
4009	10	l 2, 3 m	11.86	07,*08*	B
4017	11	h 2, 1 k	11.41	*04*,04	B

144. *190818.* RX SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4027	10	g 2, 1 h	11.01	*06*,06	B
4030	10	g 2, 2 h	10.96	*01*,01	B
4038	13	g 1, 2 h	10.91	*06*,06	Bd
4041	12	g 1, 2 h	10.91	*06*,06	B
4066	10	e 2, 1 f	10.11	*09*,09	B
4078	12	d 3, 1 e	9.67	*05*,05	B
4084	10	d 2, 1 e	9.62	*10*,10	B
4086	11	e 2, 2 f	10.06	*04*,04	B
4094	10	e 2, 2 f	10.06	*04*,04	B
4100	12	e 2, 2 f	10.06	*04*,04	B
4106	*60*	d 2, 2 e	9.57	*05*,05	B
4107	10	e 2, 2 f	10.06	*04*,04	B
4122	10	f 2, 2 g	10.52	*02*,03	B
4122	10	f 3, 2 g	10.58	02,*03*	B
4142	18	h 2, 2 k	11.36	01,*01*	B
4143	10	k 2, 2 l	11.64	11,*11*	B
4158	13	l 3, 2 m	11.96	07,*08*	B
4181	13	p 1, 2 q	13.34	07,*06*	B
4193	60	q 2, 1 r	13.68	00,00	B
4210	10	o 2, N	*13.2*		B
4239	10	n 1, N	*12.5*		Bd
4363	13	k 2, 3 l	11.59	16,*16*	B
4383	16	e 2, 2 f	10.06	*04*,04	B
4401	9	e 3, 2 f	10.11	01,*01*	Bd
4406	10	d 2, 2 e	9.57	*05*,05	B
4588	12	q 3, N	*13.7*		B
4784	11	g 1, 2 h	10.91	*06*,06	B
4825	20	l 2, 3 m	11.86	07,*08*	B
"	"	l 2, 3 m	11.86	07,*08*	B
4825	11	m 2, 2 n	12.26	02,*03*	B
4846	15	o 2, N	*13.2*		B
4882	12	o 3, N	*13.3*		B
5162	10	m 3, 2 n	12.30	08,*07*	B
5501	58	o 3	13.33	A	B
"	"	o 2, 1 p	13.22	01,*01*	B
5502	60	o 2	13.23	A	B
5503	66	n 3, 2 o	12.78	*05*,05	B
5534	11	o 4, 2 p	13.27	16,*16*	B
5607	61	o 1, N	*13.1*		B
5661	10	m 2, N	*12.2*		B
5870	10	o 2, N	*13.2*		B
5934	60	s 2, 1 t	14.40	*02*,03	B
5938	491	p 2	13.51	A	Bde
5961	260	o 1, 1 p	13.17	*04*,04	B
5991	104	l 2, 2 m	11.90	03,*02*	B
5995	320	k 3, 1 l	11.74	11,*11*	B
6027	60	g 2, 1 h	11.01	*06*,06	Bd

144. *190818.* RX SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6033	60	g 1, 4 h	10.81	04,*04*	Bd
6033	10	f 2, 2 g	10.52	*02*,03	B
6034	10	f 2, 1 g	10.58	*08*,07	Bd
6297	60	o 3, 2 p	13.22	11,*11*	B
6308	10	o 2	13.23	A	B
6379	60	f 3, 2 g	10.58	02,*02*	Bd
6407	72	e 3, 2 f	10.11	01,*01*	Bd
6593	10	n 1, N	*12.5*		B
6594	10	n 1, N	*12.5*		B
6635	11	o 3	13.33	A	B
6669	74	h 3, 3 k	11.36	11,*11*	B
"	"	k 2, 1 l	11.69	06,*06*	B
6695	60	h 2, 2 k	11.36	01,*01*	B
6724	60	f 3, 3 g	10.52	08,*07*	B
6745	61	e 3, 1 f	10.16	*04*,04	B
6753	60	e 3, 2 f	10.11	01,*01*	B
6760	66	f 1, 3 g	10.42	*02*,03	B
6766	60	f 1, 3 g	10.42	*02*,03	B
6981	10	m 2	12.28	A	Be
6992	62	h 1	11.27	A	B
7000	61	f 3, 1 g	10.62	*02*,03	B
7004	61	g 3, 2 h	11.01	04,*04*	B
7010	59	f 3, 1 g	10.62	*02*,03	B
7017	10	g 2, 1 h	11.01	*06*,06	B
7018	61	f 2, 0 g, 2 h	10.74	*24*,01, 23	B
7019	67	f 3, 2 g	10.58	02,*03*	B
7038	60	g 2, 1 h	11.01	*06*,06	B
7048	62	f 3, 2 g	10.58	02,*03*	B
7049	60	f 2, 4 g	10.42	08,*07*	B
7049	10	e 2, 1 f	10.11	*09*,09	Be
7060	60	e 4, 2 f	10.16	06,*06*	B
7066	61	e 4, 2 f	10.16	06,*06*	B
7076	11	e 1, 2 f	10.01	*09*,09	B
7084	67	e 4, 3 f	10.11	11,*11*	B
7089	60	e 3, 3 f	10.06	06,*06*	B
7094	60	f 1, 4 g	10.38	02,*03*	B
7094	10	e 2, 2 f	10.06	*04*,04	B
7105	60	f 2, 3 g	10.48	02,*03*	B
7107	60	f 3, 2 g	10.58	02,*03*	B

148. *191331.* SW SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1202	60	o 3, 2 p	11.74	03,*04*	B
1237	60	o 1, N	*11.5*		B
1283	12	m 1, N	*10.8*		B

148. *191331*. SW Sagittarii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1508	60	o 2, N	*11.6*		B
1541	60	m 2, N	*10.9*		B
1885	10	m 2, N	*10.9*		B
1949	*70*	e 1, N	*9.9*		B
2584	10	e 1, 2 f	9.92	04,*04*	B
2676	10	o 2, N	*11.6*		B
3146	10	d 1, 2 e	9.66	00,00	B
3349	10	n 2, N	*11.3*		Br
3350	10	m 2, 2 n	10.95	01,*01*	B
3378	10	h 2, 2 k	10.34	04,*04*	B
3385	10	l 1, 2 m	10.67	11,*11*	B
3498	12	k 1, 1 l	10.59	01,*01*	B
3723	11	e 2, 2 f	9.97	09,*09*	B
3762	10	h 2, 2 k	10.34	04,*04*	B
3786	19	m 2, 2 n	10.95	01,*01*	B
3808	14	o 1, N	*11.5*		B
3847	10	o 2, N	*11.6*		B
3891	11	m 1, N	*10.8*		B
4017	7	b 2, 2 c	9.14	02,*03*	B
4041	10	f 2, 2 g	10.17	11,*11*	B
4066	10	m 1, 3 n	10.85	01,*01*	B
4084	10	m 1, 2 n	10.90	*04*,04	B
4086	13	n 1, N	*11.2*		B
4086	10	m 2, 2 n	10.95	01,*01*	B
4107	11	m 3, 2 n	11.00	06,*06*	B
4143	11	o 3	11.77	A	B
4181	22	o 3, N	*11.7*		B
4210	10	m 2, 2 n	10.95	01,*01*	B
4410	10	k 1, N	*10.6*		B
4576	10	c 2, 2 d	9.44	07,*08*	B
4751	10	l 1, N	*10.7*		B
4825	13	m 1, 2 n	10.90	*04*,04	B
4863	26	c 2, 2 d	9.44	07,*08*	B
4882	10	b 1, 2 c	9.08	*02*,03	B
5162	10	c 2, 1 d	9.48	03,*02*	B
5175	60	d 1, 1 e	9.71	*05*,05	B
5278	10	n 1, N	*11.2*		B
5533	13	n 1, 2 o	11.26	*02*,01	B
5547	60	n 1, N	*11.2*		B
5661	17	n 2, 2 o	11.30	04,*03*	B
5866	10	n 1, N	*11.2*		B
5945	10	n 2, 2 o	11.30	04,*03*	B
5995	120	h 1, 1 k	10.34	*06*,06	B
6253	10	o 3, 1 p	11.78	*01*,02	B
6268	61	o 3, 1 p	11.78	*01*,02	B
6288	61	n 2, 1 o	11.36	*02*,01	B
6289	60	n 2, 2 o	11.30	04,*03*	B
6290	62	n 2, 2 o	11.30	04,*03*	B
6312	60	m 1, 1 n	10.95	*09*,09	B
6321	63	h 1, 1 k	10.34	*06*,06	B
6327	10	e 2, 1 f	10.02	04,*04*	B
6344	60	g 1, 1 h	10.22	14,*14*	B
6593	11	e 1, 2 f	9.92	04,*04*	B
6635	11	b 2, 1 c	9.18	*02*,02	Bd
6663	14	h 1, 1 k	10.34	*06*,06	B
6988	10	n 2, 1 o	11.36	*02*,01	B
7051	48	l 1, 1 m	10.72	06,*06*	Br
7121	10	g 1, 1 h	10.22	14,*14*	Br
7121	11	h 2, 1 k	10.39	*01*,01	B
7135	10	h 2, 1 k	10.39	*01*,01	B

149. 191517a. W Sagittae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1508	35	m 1, N	*12.0*		B
1609	12	e 1, 2 f	10.47	04,*04*	B
1671	12	m 1, N	*12.0*		B
2344	16	m 1, N	*12.0*		B
2668	10	n 2, N	*12.5*		B
2680	10	k 1, 1 l	11.44	*08*,07	B
2762	11	m 3, 2 n	12.18	05,*05*	B
3083	12	o 1, N	*12.7*		B
3386	20	m 1, N	*12.0*		B
3445	10	n 1, N	*12.4*		B
3628	*40*	h 1, N	*11.2*		B
3737	13	n 1, N	*12.4*		B
3769	10	m 1, N	*12.0*		B
3791	11	k 2, 2 l	11.44	02,*03*	B
3802	*118*	f 1, 1 g	10.76	*03*,02	B
3814	11	b 2, 1 c	9.68	*07*,08	B
3829	*64*	d 1, 2 e	10.26	05,*05*	B
3831	*63*	d 1, 1 e	10.31	00,00	B
4026	66	p 1, N	*12.9*		B
4122	10	f 2, 2 g	10.76	07,*08*	B
4150	10	l 2, 1 m	11.82	*01*,01	B
4154	60	l 1, 1 m	11.77	*06*,06	B
4157	*60*	m 1, 1 n	12.13	*10*,10	B
4198	62	p 3, 1 q	13.08	05,*05*	B
4348	10	g 2, 1 h	11.07	01,*01*	B
4383	13	g 2, 2 h	11.02	06,*06*	B
4506	12	o 1, N	*12.7*		B
4595	58	l 1, N	*11.7*		B
4701	11	l 1, 2 m	11.72	*01*,01	B
4766	71	m 1, N	*12.0*		B
4822	20	o 2, N	*12.8*		B
4854	11	p 2, N	*13.0*		B
4888	63	k 2	11.46	A	B
4893	62	k 2, 1 l	11.48	*02*,03	B
4907	19	f 2, 1 g	10.80	03,*02*	B
4921	12	e 1, 2 f	10.47	04,*04*	B
4938	67	f 3, 2 g	10.80	13,*12*	B
4954	62	f 3, 1 g	10.86	07,*08*	B
4965	89	h 2, N	*11.3*		B
5141	13	p 2, 0 q	13.08	05,*05*	B
5180	20	l 1, 2 m	11.72	*01*,01	B
5182	69	f 1	10.73	A	B
5202	*55*	e 1, 1 f	10.52	*01*,01	B
5225	61	k 1, 2 l	11.38	*02*,03	B
5225	62	f 2, 1 g	10.80	03,*02*	Bi
5308	14	o 1, N	*12.7*		B
5549	65	l 2, N	*11.8*		B
5618	60	m 2, N	*12.1*		B
5665	32	o 1, N	*12.7*		B
5710	10	o 1, N	*12.7*		B
5720	10	n 1, 2 o	12.43	00,00	B
5723	10	n 1	12.43	A	B
5729	12	m 3, 2 n	12.18	05,*05*	B
5769	34	k 1	11.36	A	B
5791	10	g 1, 1 h	11.02	*04*,04	B
5796	25	k 2, 2 l	11.44	02,*03*	B
5815	13	g 2, 1 h	11.07	01,*01*	B
5855	27	p 2, N	*13.0*		B
5943	29	p 2, N	*13.0*		B
5943	24	p 2, N	*13.0*		B
5943	13	p 2 ,N	*13.0*		B
5970	46	p 2, N	*13.0*		B
5987	14	p 2, N	*13.0*		B
6001	11	n 2, 2 o	12.48	05,*05*	B
6004	10	l 2, 1 m	11.82	*01*,01	B
6004	10	l 2, 1 m	11.82	*01*,01	B
6004	10	m 2, 2 n	12.13	00,00	B
6016	474	k 1, 2 l	11.38	*02*,03	Br
6030	82	f 2, 2 g	10.76	07,*08*	B
6032	60	f 3, 2 g	10.80	13,*12*	B
6033	86	f 2, 1 g	10.80	03,*02*	B
6034	60	g 3, 2 h	11.07	11,*11*	B
6040	82	e 2, 1 f	10.57	04,*04*	B
6054	60	f 1, 1 g	10.76	*03*,02	B
6061	69	e 2, 1 f	10.57	04,*04*	B
6166	21	o 1, N	*12.7*		B
6210	19	o 1, N	*12.7*		B

149. 191517a. W Sagittae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6230	13	o 1, N	*12.7*		B
6261	39	n 2, 1 o	12.53	00,00	B
6281	60	h 1, 2 k	11.16	10,*10*	B
6288	60	g 1, 2 h	10.97	01,*01*	B
6298	13	d 1, 2 e	10.26	05,*05*	B
6298	12	d 1, 2 e	10.26	05,*05*	B
6310	60	e 1, 2 f	10.47	04,*04*	B
6311	60	d 2, 2 e	10.31	10,*10*	B
6323	78	d 2, 2 e	10.31	10,*10*	B
6338	64	f 1, 3 g	10.66	07,*08*	B
6339	11	e 2, 2 f	10.52	09,*09*	Bd
6341	106	g 1, 1 h	11.02	*04*,04	B
6342	96	f 2	10.83	A	B
6342	17	d 1, 1 e	10.31	00,00	B
6342	13	f 1, 2 g	10.70	03,*02*	B
6342	12	e 1, 1 f	10.52	*01*,01	B
6365	65	g 1, 1 h	11.02	*04*,04	B
6366	15	k 1, 2 l	11.38	*02*,03	B
6366	20	g 2, 2 h	11.02	06,*06*	B
6366	14	h 2, 1 k	11.26	10,*10*	B
6366	17	k 1, 2 l	11.38	*02*,03	B
6369	10	k 2, 2 l	11.44	02,*03*	B
6369	19	k 2, 2 l	11.44	02,*03*	B
6369	13	k 3, 1 l	11.54	02,*03*	B
6369	15	h 2, 1 k	11.26	10,*10*	B
6397	60	m 3, 2 n	12.18	05,*05*	B
6415	75	m 2, N	*12.1*		B
6555	53	l 1, N	*11.7*		B
6575	60	g 2, 2 h	11.02	06,*06*	B
6583	60	f 2, 2 g	10.76	07,*08*	B
6603	60	d 2, 2 e	10.31	10,*10*	B
6603	60	d 3, 1 e	10.41	10,*10*	B
6613	67	f 2, 1 g	10.80	03,*02*	B
6617	63	f 2, 1 g	10.80	03,*02*	B
6620	60	f 3, 2 g	10.80	13,*12*	B
6624	60	g 1, 3 h	10.92	06,*06*	B
6635	60	h 2, 1 k	11.26	10,*10*	B
6655	65	l 2, 1 m	11.82	*01*,01	B
6683	63	m 1, N	*12.0*		B
6724	71	k 2, 1 l	11.48	*02*,03	B
6772	65	l 1, N	*11.7*		B
6790	73	l 3, N	*11.8*		B
6824	79	m 1, N	*12.0*		B
6905	61	g 2, 2 h	11.02	06,*06*	Br
6966	85	n 1, N	*12.4*		B
"	"	m 1, N	*12.0*		B
7021	60	h 2, N	*11.3*		B
7054	62	l 1, N	*11.7*		B
7111	240	n 1	12.43	A	B
7142	*69*	b 3, 2 c	9.68	03,*02*	B
"	"	c 2, 1 d	10.08	*02*,03	B
7145	70	d 2, 1 e	10.36	05,*05*	B
7159	89	e 2, 2 f	10.52	09,*09*	B
7177	77	f 3, 2 g	10.80	13,*12*	B
7185	44	e 2, 2 f	10.52	09,*09*	B

155. *193972*. T Pavonis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1167	10	d 4, 1 e	9.11	09,*09*	F
1167	10	d 4, 1 e	9.11	09,*09*	F
1192	10	f 3, 1 g	9.68	04,*04*	F
1197	10	g 2, 2 h	9.94	00,00	F
1217	60	h 2, 1 k	10.32	02,*03*	F
1225	10	1 l	10.59	A	Fe
1516	60	q 1, 2 r	12.02	02,*03*	F
1895	10	b 5, 0 c, 5 d	8.38	04,04, *08*	F
1895	10	b 4, 1 c	8.32	00,00	F
1895	15	b 4, 1 c	8.32	00,00	F
1897	11	d 2, 2 e	8.96	04,*04*	F
1897	10	d 3, 1 e	9.06	04,*04*	F
1897	11	d 1, 2 e	8.91	*01*,01	F
1927	60	g 1, 2 h	9.89	*05*,05	B
1972	*72*	g 1, 2 h	9.89	*05*,05	F
1995	*78*	h 1, N	*10.2*		F
2274	*65*	g 2, N	*9.9*		F
2283	*75*	h 2, N	*10.3*		F
2586	10	a 6, 4 c	7.98	*04*,04	Fe
2586	10	a 4, 2 b	7.73	01,*01*	F
2586	10	a 4, 2 b	7.73	01,*01*	F
2586	10	a 5, 0 b, 5 c	7.89	*05*,03, 03	F
2587	10	a 2, 3 b	7.58	*04*,04	F
2638	10	h 2, 1 k	10.32	02,*03*	F
2702	10	l 3	10.99	A	F
3024	10	o 2, 1 p	11.61	00,00	F
3026	11	o 2, 2 p	11.56	05,*05*	F
3031	10	m 2, 1 n	11.15	06,*06*	F
3051	11	h 2, 1 k	10.32	02,*03*	Bde
3054	10	g 4, 0 h, 3 k	10.12	02,02, *03*	F
3055	10	g 4, 1 h	10.09	05,*05*	F
3076	*60*	h 1, 2 k	10.22	02,*03*	F
3082	10	d 3, 0 e, 3 f	9.11	*01*,01, 01	F
3084	20	e 2, 2 f	9.27	05,*05*	Bde
3145	12	3 k	10.09	A	Fe
3293	10	f 1, 3 g	9.48	04,*04*	F
3293	10	f 2, 2 g	9.58	04,*04*	F
3294	11	e 3, 0 f, 4 g	9.39	03,03, *05*	F
3323	11	a 9, 2 c	8.23	01,*01*	Fe
3323	11	b 4, 2 c	8.27	05,*05*	F
3323	10	b 1, 4 c	8.02	00,00	F
3345	*65*	c 2	8.62	A	Fe
3348	10	c 3, 5 e	8.67	05,*05*	Fe
3360	63	e 2, 1 f	9.32	00,00	F
3360	60	e 3, 0 f	9.42	00,00	Fe
3377	9	f 5, 4 h	9.83	09,*09*	Fe
3377	10	f 3	9.72	A	F
3406	10	k 1, 3 l	10.44	05,*05*	F
3407	10	l 1, 2 m	10.80	*01*,01	F
3444	12	o 3, 0 p, 2 q	11.72	*01*,*01*, 02	F
3724	10	p 3, 2 q	11.88	13,*14*	F
3742	10	o 2	11.61	A	F
3758	10	l 3, 2 m	10.90	09,*09*	F
3783	12	e 1, 2 f	9.22	00,00	F
3786	60	d 1, 1 e	8.96	*06*,06	F
3797	22	c 2, 3 d	8.56	06,*06*	F
3831	17	c 2, 2 d	8.61	01,*01*	B
3846	10	e 2, 3 f	9.22	10,*10*	B
3888	12	l 2, 3 m	10.80	09,*09*	B
3994	11	l 2, 3 m	10.80	09,*09*	B
4022	13	g 3, 4 h	9.89	15,*15*	B
4041	10	c 1, 2 d	8.56	*04*,04	B
4066	11	c 2, 3 d	8.56	06,*06*	B
4077	10	c 2, 3 d	8.56	06,*06*	B
4078	12	e 3, 3 f	9.27	15,*15*	B
4084	12	e 1, 2 f	9.22	00,00	B
4085	6	d 2, 1 e	9.01	*01*,01	B
4099	10	f 3, 2 g	9.63	09,*09*	B
4107	10	g 2, 3 h	9.89	05,*05*	B
4147	10	l 1, 3 m	10.75	04,*04*	B
4147	11	l 2, 2 m	10.85	04,*04*	B
4181	11	o 3, 3 p	11.56	15,*15*	B
4210	10	p 2, 3 q	11.78	13,*14*	B
4448	11	p 2	11.91	A	B
4527	10	b 3, 2 c	8.22	00,00	B
4541	60	c 2, 2 d	8.61	01,*01*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4584	10	f 2, 2 g	9.58	04,*04*	B
4765	10	c 2	8.62	A	Be
4765	10	c 2	8.62	A	Be
4766	10	d 2, 2 e	8.96	04,*04*	B
4776	10	c 2	8.62	A	Be
4776	10	c 2, 2 d	8.61	01,*01*	B
4777	10	c 2, 2 d	8.61	01,*01*	B
4835	13	f 2, 1 g	9.63	*01*,01	B
4835	17	f 4	9.82	A	Be
4853	10	h 1, 2 k	10.22	02,*03*	B
4854	11	k 2, 3 l	10.49	10,*10*	B
4854	10	f 4	9.82	A	Be
4870	64	h 2, 1 k	10.32	02,*03*	B
4891	63	l 2, 1 m	10.90	*01*,01	B
4942	10	o 2, 2 p	11.56	05,*05*	B
5169	61	r 3, 1 s	12.46	03,*02*	B
5231	60	g 3, 1 h	10.04	00,00	B
5261	62	a 2, 1 b	7.68	*14*,14	Bi
5263	64	b 1, 2 c	8.12	*10*,10	B
5267	81	a 3, 2 b	7.68	*04*,04	Be
5267	10	a 4	7.74	A	Be
5276	62	a 3	7.64	A	Be
5280	245	a 4, 1 b	7.78	*04*,04	Bd
5284	240	b 1, 2 c	8.12	*10*,10	B
5297	12	b 2, 2 c	8.17	*05*,05	B
5325	60	f 3, 3 g	9.58	14,*14*	B
5485	10	l 2, 2 m	10.85	04,*04*	B
5486	10	l 2, 3 m	10.80	09,*09*	B
5519	80	f 2	9.62	A	B
5520	300	f 2, 2 g	9.58	04,*04*	B
5522	62	e 1, 2 f	9.22	00,00	B
5527	60	f 2, 3 g	9.53	09,*09*	B
5532	61	e 3, 1 f	9.37	05,*05*	B
5533	60	e 3, 1 f	9.37	05,*05*	B
5533	60	e 3, 2 f	9.32	10,*10*	B
5533	60	e 1, 2 f	9.22	00,00	B
5534	10	f 1, 2 g	9.53	*01*,01	B
5534	60	f 1, 2 g	9.53	*01*,01	B
5541	60	f 2, 3 g	9.53	09,*09*	B
5542	62	f 3, 2 g	9.63	09,*09*	B
5557	60	g 2, 1 h	9.99	*05*,05	B
5558	60	g 3, 3 h	9.94	10,*10*	B
5560	60	g 4, 2 h	10.04	10,*10*	B
5561	60	g 3, 3 h	9.94	10,*10*	B
5561	61	g 3, 3 h	9.94	10,*10*	B
5571	61	g 3, 3 h	9.94	10,*10*	B
5577	61	k 2, 2 l	10.54	05,*05*	B
5586	60	k 2, 2 l	10.54	05,*05*	B
5590	*62*	l 1, 1 m	10.85	*06*,06	B
5659	65	g 4, 2 h	10.04	10,*10*	B
5887	10	p 2	11.91	A	B
5912	60	r 1, N	*12.2*		B
5918	10	p 2, 1 q	11.88	03,*04*	B
5973	60	g 4, 2 h	10.04	10,*10*	B
6008	60	c 2, 3 d	8.56	06,*06*	B
6009	60	c 2, 3 d	8.56	06,*06*	B
6011	60	d 2, 2 e	8.96	04,*04*	B
6018	60	d 2, 1 e	9.01	*01*,01	B
6019	60	d 3, 3 e	8.96	14,*14*	B
6022	60	d 2, 3 e	8.91	09,*09*	B
6029	60	e 3, 3 f	9.27	15,*15*	B
6044	61	e 2, 2 f	9.27	05,*05*	B
6045	66	e 3, 1 f	9.37	05,*05*	B
6045	60	e 2, 2 f	9.27	05,*05*	B
6061	60	g 2, 3 h	9.89	05,*05*	B
6062	60	f 2, 3 g	9.53	09,*09*	B
6262	60	g 2	9.94	A	B
6221	64	f 1, 2 g	9.53	*01*,01	B
6229	69	d 1, 2 e	8.91	*01*,01	B
6240	67	c 3, 3 d	8.61	11,*11*	B
6242	63	b 3, 3 c	8.17	05,*05*	B
6242	63	c 3, 3 d	8.61	11,*11*	B
6242	63	b 2, 3 c	8.12	00,00	B
6242	64	b 2, 2 c	8.17	*05*,05	B
6242	10	c 3, 2 d	8.66	06,*06*	B
6249	61	b 2, 3 c	8.12	00,00	B
6253	10	b 2, 1 c	8.22	*10*,10	B
6254	61	b 3, 3 c	8.17	05,*05*	B
6254	61	b 1, 3 c	8.07	*05*,05	B
6264	61	b 3, 2 c	8.22	00,00	B
6269	60	b 2, 2 c	8.17	*05*,05	B
6269	63	c 3, 3 d	8.61	11,*11*	B
6278	60	e 1, 2 f	9.22	00,00	B
6278	64	d 3, 2 e	9.01	09,*09*	Bd
6282	63	e 3, 2 f	9.32	10,*10*	Bd
6282	64	e 2, 2 f	9.27	05,*05*	B
6283	60	f 1, 1 g	9.58	*06*,06	B
6286	60	e 1, 2 f	9.22	00,00	B
6297	63	g 1, 2 h	9.89	*05*,05	B
6297	64	f 3, 3 g	9.58	14,*14*	B
6302	60	g 3, 3 h	9.94	10,*10*	B
6302	60	g 3, 3 h	9.94	10,*10*	B
6310	60	g 3, 3 h	9.94	10,*10*	B
6310	60	g 4, 2 h	10.04	10,*10*	B
6310	60	g 3, 2 h	9.99	05,*05*	B
6312	60	h 2, 2 k	10.26	08,*07*	B
6312	66	g 3, 2 h	9.99	05,*05*	B
6331	60	k 1, 2 l	10.49	00,00	B
6338	60	m 1, N	*11.1*		B
6396	11	p 2, 1 q	11.88	03,*04*	B
6419	69	l 1, N	*10.7*		B
6583	10	l 2, N	*10.8*		B
6605	10	p 2, N	*11.9*		B
6680	76	l 2, 1 m	10.90	*01*,01	B
6682	13	f 4	9.82	A	Be
6683	61	h 2, 2 k	10.26	08,*07*	B
6685	10	l 3, 2 m	10.90	09,*09*	B
6692	74	g 3, 2 h	9.99	05,*05*	B
6692	63	h 2, 2 k	10.26	08,*07*	B
6694	60	g 4, 3 h	9.99	15,*15*	B
6697	70	g 3, 2 h	9.99	05,*05*	B
6698	62	g 2, 3 h	9.89	05,*05*	B
6698	60	g 4, 2 h	10.04	10,*10*	B
6703	241	g 1, 3 h	9.84	00,00	B
6706	68	f 2, 3 g	9.53	09,*09*	B
6707	61	e 3, 2 f	9.32	10,*10*	B
6710	240	d 3, 1 e	9.06	04,*04*	B
6712	62	c 1, 3 d	8.51	01,*01*	B
6713	69	d 2, 2 e	8.96	04,*04*	B
6713	61	d 2, 1 e	9.01	*01*,01	Bd
6713	63	c 2, 3 d	8.56	06,*06*	B
6723	189	b 3, 3 c	8.17	05,*05*	B
6726	60	b 1, 2 c	8.12	*10*,10	B
6726	60	b 2, 2 c	8.17	*05*,05	B
6726	62	b 2, 3 c	8.12	00,00	B
6731	191	a 2, 1 b	7.68	*14*,14	B
6733	60	b 1, 2 c	8.12	*10*,10	B
6741	65	b 1, 2 c	8.12	*10*,10	B
6743	61	b 2, 3 c	8.12	00,00	B
6745	61	b 2, 2 c	8.17	*05*,05	B
6745	60	b 3, 2 c	8.22	00,00	B
6760	62	d 1, 2 e	8.91	*01*,01	B
6760	60	c 1, 2 d	8.56	*04*,04	B
6783	62	f 3, 2 g	9.63	09,*09*	B
6785	60	g 1, N	*9.8*		B
6793	68	g 2	9.94	A	B
6957	60	g 3	10.04	A	Br
6958	60	h 2, 3 k	10.22	12,*13*	B
6960	60	g 3, 1 h	10.04	00,00	B
6964	62	g 3, 2 h	9.99	05,*05*	B
6968	63	g 2, 4 h	9.84	10,*10*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6975	68	g 2, 4 h	9.84	10,*10*	B
6977	60	g 2, 4 h	9.84	10,*10*	B
6981	62	g 2, 4 h	9.84	10,*10*	B
6988	11	g 2, 3 h	9.89	05,*05*	B
6992	61	g 2, 4 h	9.84	10,*10*	B
6999	61	g 3, 4 h	9.89	15,*15*	B
6999	60	g 2, 4 h	9.84	10,*10*	B
7000	69	g 2, 4 h	9.84	10,*10*	B
7006	60	g 2, 3 h	9.89	05,*05*	B
7006	60	g 3, 4 h	9.89	15,*15*	B
7017	10	g 3, 2 h	9.99	05,*05*	Be
7018	60	g 3, 1 h	10.04	00,00	B
7032	71	h 1, 2 k	10.22	02,*03*	B
7038	61	l 1	10.79	A	B
7038	60	k 2, 2 l	10.54	05,*05*	B
7067	11	q 2, 1 r	12.12	02,*03*	B
7194	71	g 3, 4 h	9.89	15,*15*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
0538	*70*	a 1, 1 b	7.98	*14*,14	B
0606	22	h 3, 2 k	10.37	14,*14*	B
0607	15	k 3, 2 l	10.62	11,*11*	B
1465	17	B 1, 2 a	7.52	*03*,02	B
1469	22	B 2, 2 a	7.56	03,*02*	B
1478	19	a 1, 2 b	7.93	*09*,09	B
1521	14	f 2, 2 g	9.68	09,*09*	B
1527	*71*	d 3, 1 e	9.11	04,*04*	B
1544	10	k 3, 2 l	10.62	11,*11*	B
1546	40	k 3, 4 l	10.52	21,*21*	B
1596	10	m 2, N	*11.1*		B
1610	10	k 4, 2 l	10.67	16,*16*	B
1612	19	k 4, 2 l	10.67	16,*16*	B
1612	13	k 4, 3 l	10.62	21,*21*	B
1631	*64*	d 3, 1 e	9.11	04,*04*	B
1652	19	b 1, 1 c	8.34	*02*,03	B
1666	10	a 2, 2 b	7.98	*04*,04	B
1685	*64*	d 2, 3 e	8.96	09,*09*	B
1691	*62*	d 2, 2 e	9.01	04,*04*	B
1691	12	c 2, 1 d	8.71	*04*,04	B
1692	*68*	b 1, 2 c	8.30	02,*03*	B
1704	*57*	e 1, 3 f	9.27	00,00	B
1896	*60*	d 1	8.95	A	Bdp
1907	10	e 3, 1 f	9.47	00,00	Be
1955	10	m 1, N	*11.0*		B
2001	23	g 3, 3 h	10.00	09,*09*	B
2011	20	e 3, 3 f	9.37	10,*10*	B
2041	14	a 1, 1 b	7.98	*14*,14	B
2069	14	b 2, 1 c	8.40	02,*03*	B
2099	19	e 3, 3 f	9.37	10,*10*	B
2335	33	o^{1} 2, 1 p^{1}	11.91	00,00	B
2345	20	p^{1} 2, 1 q^{1}	12.20	01,*02*	B
2368	10	h 3	10.51	A	Be
2378	21	f 2, 2 g	9.68	09,*09*	B
2461	12	d 1, 2 e	8.96	*01*,01	B
2466	13	d 2, 3 e	8.96	09,*09*	B
2655	10	c 2, 2 d	8.66	01,*01*	B
2664	16	e 2, 2 f	9.37	00,00	B
2665	13	g 1, 2 h	9.95	*06*,06	B
2686	16	k 3, 3 l	10.57	16,*16*	B
2716	15	p^{1} 2, 1 q^{1}	12.20	01,*02*	B
2761	10	h 3, 1 k	10.42	09,*09*	B
2774	*64*	f 2, 3 g	9.63	14,*14*	B
2948	12	g 1, 2 h	9.95	*06*,06	B
2993	15	a 2, 1 b	8.03	*09*,09	B
2998	14	B 2, 1 a	7.62	*03*,02	B
3011	*65*	B 2, 1 a	7.62	*03*,02	B
3015	*62*	a 1, 3 b	7.88	*04*,04	B
3051	12	e 2, 2 f	9.37	00,00	B
3058	12	f 2, 2 g	9.68	09,*09*	B
3059	*64*	e 1, 2 f	9.32	*05*,05	B
3093	17	k 3, 3 l	10.57	16,*16*	B
3113	11	o^{1} 2, 1 p^{1}	11.91	00,00	B
3155	17	e 1, 2 f	9.32	*05*,05	B
3185	*63*	a 1, 1 b	7.98	*14*,14	B
3247	10	g 4, 2 h	10.10	09,*09*	B
3316	14	k 3, 3 l	10.57	16,*16*	B
3363	18	a 2, 1 b	8.03	*09*,09	B
3385	11	a 2, 1 b	8.03	*09*,09	B
3436	21	g 2, 2 h	10.00	*01*,01	B
3436	10	g 3, 3 h	10.00	09,*09*	B
3439	16	g 3, 2 h	10.05	04,*04*	B
3439	10	g 3, 3 h	10.00	09,*09*	B
3441	16	g 3, 3 h	10.00	09,*09*	B
3449	25	k 3, 3 l	10.57	16,*16*	B
3450	10	k 3, 2 l	10.62	11,*11*	B
3468	10	l 2, 3 m	10.80	11,*11*	B
3503	14	k 3, 3 l	10.57	16,*16*	B
3586	10	d 2, 1 e	9.06	*01*,01	B
3614	15	f 2, 2 g	9.68	09,*09*	B
3643	26	k 2, 3 l	10.52	11,*11*	B
3672	11	l 1	10.81	A	B
3699	18	g 3, 3 h	10.00	09,*09*	B
3707	12	e 2, 2 f	9.37	00,00	B
3730	11	b 1, 2 c	8.30	02,*03*	B
3743	18	B 2, 2 a	7.56	03,*02*	B
3753	17	B 3, 1 a	7.66	03,*02*	Be
3759	10	a 1, 2 b	7.93	*09*,09	B
3769	10	b 1, 2 c	8.30	02,*03*	B
3776	*70*	b 1, 1 c	8.34	*02*,03	B
3791	10	d 2, 1 e	9.06	*01*,01	B
3802	*57*	f 2, 2 g	9.68	09,*09*	B
3807	22	f 2, 2 g	9.68	09,*09*	B
3814	*61*	f 2, 1 g	9.73	04,*04*	B
3820	*65*	e 2, 1 f	9.42	*05*,05	B
3823	11	h 2, 3 k	10.27	14,*14*	B
3843	10	k 3, 2 l	10.62	11,*11*	B
3852	14	k 3, 2 l	10.62	11,*11*	B
3861	13	l 1	10.81	A	B
3861	16	m 1, N	*11.0*		B
3881	11	k 2, 3 l	10.52	11,*11*	B
3905	14	e 3, 3 f	9.37	10,*10*	B
3937	12	a 1, 1 b	7.98	*14*,14	B
4030	18	l 1, 2 m	10.80	01,*01*	B
4033	14	m 2	11.19	A	B
4034	13	o^{1} 2, 1 p^{1}	11.91	00,00	B
4064	13	l 2, 2 m	10.85	06,*06*	B
4090	10	k 2, 3 l	10.52	11,*11*	B
4115	12	d 1, 2 e	8.96	*01*,01	B
4142	11	d 1, 2 e	8.96	*01*,01	B
4154	14	d 2, 1 e	9.06	*01*,01	B
4176	10	d 2, 1 e	9.06	*01*,01	B
4185	11	f 3, 3 g	9.68	19,*19*	B
4187	10	f 2, 1 g	9.73	04,*04*	Bi
4206	10	k 3, 3 l	10.57	16,*16*	B
4233	11	p^{1} 2, 1 q^{1}	12.20	01,*02*	B
4265	10	k 3, 2 l	10.62	11,*11*	B
4291	11	c 1, 2 d	8.61	*04*,04	B
4291	11	d 3, 3 e	9.01	14,*14*	B
4303	14	a 3, 3 b	7.98	06,*06*	B
4355	22	d 2, 3 e	8.96	09,*09*	B
4401	17	g 3, 2 h	10.05	04,*04*	B
4424	14	l 2, 1 m	10.90	01,*01*	B
4476	14	f 1, 2 g	9.63	04,*04*	B
4560	10	e 2, 3 f	9.32	05,*05*	B
4566	10	e 3, 2 f	9.42	05,*05*	B
4569	14	f 2, 2 g	9.68	09,*09*	B
4588	12	g 2, 2 h	10.00	*01*,01	B
4643	60	e 3, 2 f	9.42	05,*05*	B
4755	57	e 3, 3 f	9.37	10,*10*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4767	15	g 3, 1 h	10.10	*01*,01	B
4768	*12*	g 3, 1 h	10.10	*01*,01	B
4773	58	h 2, 1 k	10.37	04,*04*	Br
4778	19	k 3, 2 l	10.62	11,*11*	B
4801	10	l 3, 2 m	10.90	11,*11*	B
4801	60	h 2, 1 k	10.37	04,*04*	B
4809	10	k 2	10.63	A	B
4825	14	k 3, 3 l	10.57	16,*16*	B
4833	64	h 1, 1 k	10.32	*01*,01	B
4846	18	g 2, 2 h	10.00	*01*,01	B
4881	76	B 2, 1 a	7.62	*03*,02	B
4897	*60*	a 2, 2 b	7.98	*04*,04	B
4910	11	b 2, 3 c	8.30	12,*13*	B
4911	67	a 3, 2 b	8.03	01,*01*	B
4911	61	b 2, 2 c	8.34	08,*07*	B
4940	69	f 3, 3 g	9.68	19,*19*	B
4998	87	k 1	10.53	A	B
5070	62	b 3, 2 c	8.40	12,*13*	B
5089	18	b 1, 2 c	8.30	02,*03*	B
5100	53	d 4, 2 e	9.11	14,*14*	B
5113	18	f 2, 3 g	9.63	14,*14*	B
5124	10	f 2, 2 g	9.68	09,*09*	B
5125	75	h 2, 2 k	10.32	09,*09*	B
5125	13	f 2, 1 g	9.73	04,*04*	B
5125	22	f 2, 2 g	9.68	09,*09*	B
5129	60	g 3, 1 h	10.10	*01*,01	B
5140	70	g 2, 1 h	10.05	*06*,06	B
5140	15	k 1, 3 l	10.47	06,*06*	B
5180	66	k 1, N	*10.5*		B
5218	..	f 1, N	*9.6*		B
5232	68	d 4, 2 e	9.11	14,*14*	B
5277	*57*	a 3, 3 b	7.98	06,*06*	Be
5288	65	a 2, 1 b	8.03	*09*,09	B
5289	60	a 2, 1 b	8.03	*09*,09	B
5289	12	B 2, 1 a	7.62	*03*,02	Be
5297	60	b 1, 2 c	8.30	02,*03*	B
5312	10	d 2, 2 e	9.01	04,*04*	B
5318	*62*	e 3, 1 f	9.47	00,00	B
5326	6	g 1, 2 h	9.95	*06*,06	B
5326	10	g 3, 3 h	10.00	09,*09*	B
5334	16	h 2, 2 k	10.32	09,*09*	B
5338	11	k 3, 3 l	10.57	16,*16*	B
5371	71	k 1, N	*10.5*		B
5435	66	e 3, 1 f	9.47	00,00	B
5513	86	g 3, 2 h	10.05	04,*04*	B
5533	10	k 3, 2 l	10.62	11,*11*	B
5539	66	k 1, 1 l	10.57	*04*,04	B
5541	10	l 3, 2 m	10.90	11,*11*	B
5566	143	k 1, N	*10.5*		B
5599	62	g 1, 1 h	10.00	*11*,11	B
5605	61	g 3, 2 h	10.05	04,*04*	Bd
5613	64	f 2, 2 g	9.68	09,*09*	B
5618	100	e 3, 3 f	9.37	10,*10*	B
5624	61	d 3, 2 e	9.06	09,*09*	B
5625	58	d 3, 3 e	9.01	14,*14*	B
5627	62	b 2, 2 c	8.34	08,*07*	Bp
5633	115	B 2, 1 a	7.62	*03*,02	B
5636	236	A 2, 1 B	7.24	04,*05*	Bd
5649	73	A 3, 1 B	7.30	00,*01*	B
5652	66	a 3, 3 b	7.98	06,*06*	B
5653	83	B 2, 3 a	7.52	07,*08*	B
5653	34	a 3, 3 b	7.98	06,*06*	B
5655	75	a 3, 3 b	7.98	06,*06*	B
5658	66	a 2, 2 b	7.98	*04*,04	B
5661	70	a 1, 2 b	7.93	*09*,09	B
5661	94	a 1, 2 b	7.93	*09*,09	B
5662	62	a 1, 2 b	7.93	*09*,09	B
5664	60	a 2, 2 b	7.98	*04*,04	B
5666	76	d 2, 3 e	8.96	09,*09*	B
5673	60	b 2, 2 c	8.34	08,*07*	B
5673	101	d 3, 3 e	9.01	14,*14*	B
5679	10	d 2, 1 e	9.06	*01*,01	B
5679	67	d 3, 1 e	9.11	04,*04*	B
5682	64	d 3, 1 e	9.11	04,*04*	B
5692	60	f 2, 1 g	9.73	04,*04*	B
5693	97	e 3, 2 f	9.42	05,*05*	B
5696	70	g 2, 2 h	10.00	*01*,01	B
5699	53	g 2, 1 h	10.05	*06*,06	B
5699	61	f 2, 1 g	9.73	04,*04*	B
5709	81	h 2, 1 k	10.37	04,*04*	B
5716	87	k 2, 2 l	10.57	06,*06*	B
5717	63	k 3, 1 l	10.67	06,*06*	B
5720	62	k 3, 1 l	10.67	06,*06*	B
5803	60	g 2, 2 h	10.00	*01*,00	B
5859	65	a 3, 3 b	7.98	06,*06*	B
5885	77	e 4, 2 f	9.47	10,*10*	B
5890	78	f 3, 2 g	9.73	14,*14*	B
5900	94	h 2, 2 k	10.32	09,*09*	B
5901	88	g 3	10.09	A	Br
5901	10	g 3, 1 h	10.10	*01*,01	B
5902	24	k 1, N	*10.5*		B
5947	70	l 1, N	*10.8*		B
5970	18	k 2, 2 l	10.57	06,*06*	B
5970	16	k 3, 2 l	10.62	11,*11*	B
5975	62	l 1, N	*10.8*		B
5975	14	k 3, 3 l	10.57	16,*16*	B
5975	10	h 2, 1 k	10.37	04,*04*	B
5975	10	k 2, 3 l	10.52	11,*11*	B
5985	10	g 2, 1 h	10.05	*06*,06	B
5989	20	g 3, 3 h	10.00	09,*09*	B
5989	46	g 3, 3 h	10.00	09,*09*	B
5989	10	g 3, 3 h	10.00	09,*09*	B
6005	153	e 2, 2 f	9.37	00,00	B
6007	62	d 4, 2 e	9.11	14,*14*	B
6007	13	d 3, 3 e	9.01	14,*14*	B
6008	62	d 3, 3 e	9.01	14,*14*	B
6016	58	c 3, 2 d	8.71	06,*06*	B
6017	51	d 3, 3 e	9.01	14,*14*	B
6027	32	d 3, 3 e	9.01	14,*14*	B
6030	59	d 3, 3 e	9.01	14,*14*	B
6030	82	d 3, 3 e	9.01	14,*14*	B
6030	17	c 2	8.67	A	Be
6032	93	c 1, 1 d	8.66	*09*,09	B
6032	76	c 1, 2 d	8.61	*04*,04	B
6033	86	d 2, 3 e	8.96	09,*09*	B
6035	107	d 3, 3 e	9.01	14,*14*	B
6044	72	d 1, 3 e	8.91	04,*04*	Bd
6045	74	d 3, 3 e	9.01	14,*14*	B
6052	74	c 2, 2 d	8.66	01,*01*	B
6054	149	d 2, 2 e	9.01	04,*04*	B
6057	86	d 3, 1 e	9.11	04,*04*	B
6058	54	d 3, 3 e	9.01	14,*14*	B
6061	79	e 1, 3 f	9.27	00,00	B
6061	69	d 2, 2 e	9.01	04,*04*	B
6082	76	f 3, 3 g	9.68	19,*19*	B
6083	75	f 3, 2 g	9.73	14,*14*	B
6090	78	g 3, 2 h	10.05	04,*04*	B
6092	76	f 3, 2 g	9.73	14,*14*	B
6093	65	h 2, 2 k	10.32	09,*09*	B
6108	72	k 4, 2 l	10.67	16,*16*	B
6148	18	m 2, N	*11.1*		B
6153	16	m 1, N	*11.0*		B
6170	17	g 3, 3 h	10.00	09,*09*	B
6170	14	g 2, 2 h	10.00	*01*,01	B
6170	13	g 1, 2 h	9.95	*06*,06	B
6172	49	g 2, 1 h	10.05	*06*,06	B
6175	46	f 3, 1 g	9.78	09,*09*	B
6180	27	e 3, 3 f	9.37	10,*10*	B
6180	15	3 e	8.87	A	Be
6180	40	d 3, 3 e	9.01	14,*14*	B
6185	55	d 3, 2 e	9.06	09,*09*	B

157. 194048. RT CYGNI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6189	11	4 e	8.77	A	Be
6199	17	B 2, 0 a	7.66	*07*,08	B
6199	17	B 2, 1 a	7.62	*03*,02	B
6205	13	B 1, 2 a	7.52	*03*,02	B
6210	62	A 3, 2 B	7.24	06,*05*	B
6216	84	B 2, 2 a	7.56	03,*02*	B
6217	12	B 2, 2 a	7.56	03,*02*	B
6217	10	B 2, 1 a	7.62	*03*,02	B
6223	20	B 2, 1 a	7.62	*03*,02	B
6226	27	a 2, 2 b	7.98	*04*,04	B
6226	44	B 2, 2 a	7.56	03,*02*	B
6230	75	A 1, 2 B	7.14	*04*,05	Br
"	"	B 1, 2 a	7.52	*03*,02	B
6233	32	a 2, 1 b	8.03	*09*,09	B
6235	31	b 2, 1 c	8.40	02,*03*	B
6236	24	a 1, 2 b	7.93	*09*,09	B
6244	112	a 2, 2 b	7.98	*04*,04	B
6244	20	a 1, 2 b	7.93	*09*,09	B
6245	69	a 1, 2 b	7.93	*09*,09	B
6246	85	b 2, 2 c	8.34	08,*07*	B
6248	60	c 2, 2 d	8.66	01,*01*	B
"	"	b 1, 2 c	8.30	02,*03*	B
6248	29	a 3, 3 b	7.98	06,*06*	B
6252	66	b 1, 2 c	8.30	02,*03*	Bd
6252	18	a 3, 2 b	8.03	01,*01*	B
6253	60	b 2, 2 c	8.34	08,*07*	B
6258	13	c 3, 3 d	8.66	11,*11*	B
6261	83	d 2, 2 e	9.01	04,*04*	B
6267	38	e 2, 2 f	9.37	00,00	B
6267	34	e 3, 3 f	9.37	10,*10*	B
6299	21	k 3, 2 l	10.62	11,*11*	B
6299	10	l 1, 1 m	10.85	*04*,04	B
6322	23	p^1 2, 0 q^1	12.24	*03*,04	B
6322	34	p^1 2, 0 q^1	12.24	*03*,04	B
6340	10	p^1 1, 2 q^1	12.19	01,*02*	Bd
6340	18	p^1 2, 1 q^1	12.20	01,*02*	B
6340	12	p^1 2, 1 q^1	12.20	01,*02*	B
6340	15	o^1 2, 0 p^1	11.96	*05*,05	B
6345	10	l 2, 1 m	10.90	01,*01*	B
6345	24	l 1, 3 m	10.75	06,*06*	B
6345	19	k 4	10.83	A	B
6351	14	k 3, 1 l	10.67	06,*06*	B
6354	14	k 3, 3 l	10.57	16,*16*	B
6354	10	k 3, 2 l	10.62	11,*11*	B
6354	17	k 2, 3 l	10.52	11,*11*	B
6366	60	g 3, 0 h, 2 k	10.18	*09*,03, 05	B
6366	70	g 3, 1 h	10.10	*01*,01	Bd
6372	19	f 3, 3 g	9.68	19,*19*	B
6372	11	f 2, 1 g	9.73	04,*04*	B
6372	10	f 2, 1 g	9.73	04,*04*	B
6372	12	g 2, 2 h	10.00	*01*,01	B
6381	129	e 4, 3 f	9.42	15,*15*	B
6382	59	e 3, 3 f	9.37	10,*10*	B
6387	63	d 3, 3 e	9.01	14,*14*	B
6390	66	d 1, 3 e	8.91	04,*04*	Bd
6391	104	d 2, 3 e	8.96	09,*09*	Bd
6394	70	d 3, 3 e	9.01	14,*14*	B
6394	182	d 2, 3 e	8.96	09,*09*	B
6402	62	b 1, 2 c	8.30	02,*03*	B
6403	91	a 2, 2 b	7.98	*04*,04	B
6406	33	B 2, 1 a	7.62	*03*,02	B
6407	64	a 1, 1 b	7.98	*14*,14	B
6408	75	a 2, 2 b	7.98	*04*,04	B
6409	53	B 1, 2 a	7.52	*03*,02	B
6410	77	a 1, 2 b	7.93	*09*,09	B
6412	61	b 2, 3 c	8.30	12,*13*	B
6412	75	a 2, 2 b	7.98	*04*,04	B
6413	70	a 1, 2 b	7.93	*09*,09	B
6415	67	a 1, 1 b	7.98	*14*,14	B
6416	88	A 2, 1 B	7.24	*04*,05	B
"	"	B 1, 2 a	7.52	*03*,02	B
6417	65	b 2, 3 c	8.30	12,*13*	B
6419	71	b 3, 2 c	8.40	12,*13*	B
6420	73	b 2, 2 c	8.34	08,*07*	B
6422	64	b 2, 2 c	8.34	08,*07*	B
6426	106	a 2, 1 b	8.03	*09*,09	B
6428	65	b 2, 2 c	8.34	08,*07*	B
6431	73	c 2, 2 d	8.66	01,*01*	B
6433	101	c 1, 1 d	8.66	*09*,09	B
6444	74	e 3, 3 f	9.37	10,*10*	B
6444	65	e 2, 3 f	9.32	05,*05*	B
6457	65	h 2, 2 k	10.32	09,*09*	B
6460	61	h 1, 2 k	10.27	04,*04*	B
6461	91	g 2, 3 h	9.95	04,*04*	B
6462	69	h 2, 2 k	10.32	09,*09*	B
6467	92	k 2, 3 l	10.52	11,*11*	B
6481	81	l 1, N	*10.8*		B
6484	83	l 1, N	*10.8*		B
6548	77	g 3	10.09	A	Br
6552	43	g 2	9.99	A	B
6574	67	d 3, 3 e	9.01	14,*14*	B
6588	61	a 1, 1 b	7.98	*14*,14	B
6601	65	a 2, 3 b	7.93	01,*01*	B
6603	60	a 1, 2 b	7.93	*09*,09	B
6603	60	b 2, 2 c	8.34	08,*07*	B
6605	60	a 1, 1 b	7.98	*14*,14	B
6617	63	a 3, 2 b	8.03	01,*01*	B
6623	57	d 2, 3 e	8.96	09,*09*	B
6642	55	f 2, 2 g	9.68	09,*09*	B
6644	62	e 3, 2 f	9.42	05,*05*	B
6646	60	f 2, 3 g	9.63	14,*14*	B
6656	60	g 1	9.89	A	B
6659	60	h 1	10.31	A	B
6663	58	g 1, 2 h	9.95	*06*,06	B
6664	60	h 3, 2 k	10.37	14,*14*	B
6664	63	h 1, 1 k	10.32	*01*,01	B
6687	72	k 2, N	*10.6*		B
6723	71	l 2	10.91	A	B
6731	61	h 1, N	*10.3*		B
6745	113	f 2, 1 g	9.73	04,*04*	B
6752	60	e 3, 2 f	9.42	05,*05*	B
6754	72	e 2, 3 f	9.32	05,*05*	B
6758	68	d 3, 1 e	9.11	04,*04*	B
6758	59	d 3, 2 e	9.06	09,*09*	B
6761	81	d 3, 3 e	9.01	14,*14*	B
6761	52	c 1, 2 d	8.61	*04*,04	B
6769	63	B 2, 2 a	7.56	03,*02*	B
6770	60	A 2, 2 B	7.20	00,01	B
6771	67	B 3, 2 a	7.62	07,*08*	B
6771	63	A 3, 2 B	7.24	06,*05*	B
6774	58	B 3, 1 a	7.66	03,*02*	B
6774	69	A 2, 1 B	7.24	*04*,05	B
6775	70	B 2, 1 a	7.62	*03*,02	B
6775	52	A 3, 2 B	7.24	06,*05*	B
6778	62	B 2, 2 a	7.56	03,*02*	B
6780	64	A 2, 3 B	7.14	06,*05*	B
6782	130	A 1, 2 B	7.14	*04*,05	B
6787	76	A 2, 1 B	7.24	*04*,05	B
6792	212	A 2, 2 B	7.20	00,*01*	B
6792	63	A 2, 2 B	7.20	00,*01*	B
6793	90	A 2, 2 B	7.20	00,*01*	B
6793	74	B 2, 2 a	7.56	03,*02*	B
6794	80	B 1, 3 a	7.46	03,*02*	B
6799	70	A 2, 3 B	7.14	06,*05*	B
6799	68	B 2, 3 a	7.52	07,*08*	B
6800	74	B 2, 2 a	7.56	03,*02*	B
6800	66	A 2, 2 B	7.20	00,*01*	B
6802	56	A 2, 2 B	7.20	00,*01*	B
6802	71	B 1, 2 a	7.52	*03*,02	B
6803	77	A 2, 1 B	7.24	*04*,05	B

157. 194048. RT CYGNI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6813	140	a 2, 1 b	8.03	*09*,09	B
6817	74	b 1, 2 c	8.30	02,*03*	B
6817	80	b 3, 2 c	8.40	12,*13*	B
6821	83	b 2, 1 c	8.40	02,*03*	Bde
6821	73	b 2, 2 c	8.34	08,*07*	B
6822	*60*	a 1, 2 b	7.93	*09*,09	B
6831	46	e 2, 4 f	9.27	10,*10*	B
6853	90	g 1, N	*9.8*		B
6920	60	l 1, N	*10.8*		B
6938	70	k 3, 3 l	10.57	16,*16*	B
6959	86	e 3, 2 f	9.42	05,*05*	B
6967	51	e 2, 2 f	9.37	00,00	B
6973	*68*	d 2, 2 e	9.01	04,*04*	B
6976	90	d 2, 3 e	8.96	09,*09*	B
6986	69	c 1, 1 d	8.66	*09*,09	B
6987	41	d 3, 3 e	9.01	14,*14*	B
7000	69	d 3, 3 e	9.01	14,*14*	B
7001	60	d 3, 3 e	9.01	14,*14*	B
7003	62	d 3, 3 e	9.01	14,*14*	B
7006	69	d 2, 3 e	8.96	09,*09*	B
7011	61	d 3, 2 e	9.06	09,*09*	B
7027	68	e 3, 2 f	9.42	05,*05*	B
7030	60	e 3, 2 f	9.42	05,*05*	B
7039	58	h 1, N	*10.3*		B
7052	66	k 1, N	*10.5*		Bd
7076	60	k 1, N	*10.5*		B
7097	60	h 1	10.31	A	B
7112	67	k 3, 2 l	10.62	11,*11*	Bd
7112	60	h 1, 1 k	10.32	*01*,01	B
7126	66	f 1, 1 g	9.68	*01*,01	Bd
7126	74	e 3, 2 f	9.42	05,*05*	B
7127	68	f 1, 2 g	9.63	04,*04*	B
7127	62	e 2, 2 f	9.37	00,00	B
7129	62	e 3, 2 f	9.42	05,*05*	B
7145	*63*	b 1, 3 c	8.24	08,*07*	B
7145	70	a 2, 1 b	8.03	*09*,09	B
7146	56	a 3, 2 b	8.03	01,*01*	B
7151	*56*	a 2, 3 b	7.93	01,*01*	B
7154	60	B 2, 1 a	7.62	*03*,02	B
7159	102	B 2, 2 a	7.56	03,*02*	B
7160	83	B 1, 2 a	7.52	*03*,02	B
7161	60	B 2, 1 a	7.62	*03*,02	B
7173	70	a 1, 2 b	7.93	*09*,09	B
7174	*89*	a 1, 2 b	7.93	*09*,09	B
7177	*40*	a 3, 2 b	8.03	01,*01*	B
7202	*76*	d 3, 2 e	9.06	09,*09*	B
7206	*2*	d 3, 1 e	9.11	04,*04*	B

157. 194048. RT CYGNI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7207	90	e 2, 3 f	9.32	05,*05*	B

158. *194350.* W TELESCOPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1171	10	f 2, 1 g	10.28	03,*02*	B
1192	10	m 1, 2 n	11.32	02,*03*	B
1192	10	m 1, 1 n	11.36	*02*,03	B
1201	60	m 2, 3 n	11.32	12,*13*	B
1240	60	q 2	12.42	A	B
1490	10	m 3, 1 n	11.46	08,*07*	B
1509	60	n 1, N	*11.5*		B
1627	20	n 1, N	*11.5*		B
1633	15	p 1, N	*12.1*		B
1870	10	n 1, N	*11.5*		B
1956	10	h 1, N	*10.6*		B
2582	10	q 1	12.32	A	B
2582	9	r 1	12.54	A	B
2593	10	q 1	12.32	A	B
2639	10	f 2, 2 g	10.24	07,*08*	B
2642	10	d 2, 1 e	9.86	02,*03*	B
3031	10	k 1, 2 l	10.82	02,*03*	B
3031	10	k 2, 1 l	10.92	02,*03*	B
3051	10	m 2, 2 n	11.36	08,*07*	B
3087	10	p 2, N	*12.2*		B
3308	10	d 2, 2 e	9.80	08,*07*	B
3323	10	f 2, 1 g	10.28	03,*02*	B
3324	10	f 2, 2 g	10.24	07,*08*	B
3346	30	h 2, 1 k	10.70	06,*06*	B
3351	10	m 3, 3 n	11.36	18,*17*	B
3351	10	n 2, N	*11.6*		B
3378	10	o 2, 2 p	11.88	06,*06*	B
3385	10	p 1, 1 q	12.12	00,00	B
3443	10	q 1, N	*12.3*		B
3444	10	q 2, N	*12.4*		B
3499	14	q 1, N	*12.3*		B
3642	11	h 1, N	*10.6*		Be
3658	14	h 1, N	*10.6*		B
3723	10	n 1, N	*11.5*		B
3759	20	p 1, N	*12.1*		B
3797	20	p 2, N	*12.2*		B
3846	22	m 2, 1 n	11.42	02,*03*	B
3847	11	m 4, 1 n	11.52	12,*13*	B
3847	11	m 2, 2 n	11.36	08,*07*	B
3850	10	m 1, 2 n	11.32	02,*03*	B
3884	12	b 2, 2 c	9.35	05,*05*	B
3889	12	d 2	9.88	A	Be

158. *194350.* W TELESCOPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4077	10	p 1, N	*12.1*		B
4086	10	q 2, N	*12.4*		B
4140	11	n 2, N	*11.6*		B
4162	10	m 2	11.44	A	B
4170	10	k 1, 2 l	10.82	02,*03*	B
4182	24	f 2, 1 g	10.28	03,*02*	B
4184	60	g 1, 2 h	10.41	05,*05*	B
4202	12	g 1, 2 h	10.41	05,*05*	B
4202	12	f 1 ,1 g	10.24	*03*,02	B
4239	10	m 1, N	*11.3*		B
4261	10	h 1, N	*10.6*		Be
4410	10	l 1, N	*11.0*		B
4426	10	n 1, N	*11.5*		B
4448	11	n 1, N	*11.5*		B
4546	80	h 2, 2 k	10.65	11,*11*	B
4585	10	n 1, 1 o	11.62	*03*,02	B
4753	10	o 1, 2 p	11.83	01,*01*	B
4779	11	d 1, 1 e	9.80	*02*,03	Be
4805	10	d 2, 2 e	9.80	08,*07*	B
4818	*240*	d 2, 3 e	9.76	12,*13*	B
4822	10	d 1, 3 e	9.70	08,*07*	B
4823	10	c 1, 1 d	9.59	01,*01*	B
4825	64	d 2, 2 e	9.80	08,*07*	B
4826	10	d 2, 2 e	9.80	08,*07*	B
4841	14	f 2, 2 g	10.24	07,*08*	B
4854	10	g 1, 2 h	10.41	05,*05*	B
4875	60	m 3, 2 n	11.42	12,*13*	B
4878	272	h 1, 2 k	10.60	06,*06*	B
"	"	k 1	10.84	A	B
4881	10	m 2, 1 n	11.42	02,*03*	B
4882	14	m 4, 2 n	11.46	18,*17*	B
4882	14	m 2, 1 n	11.42	02,*03*	B
4884	12	n 1, 2 o	11.56	03,*02*	B
4941	15	s 1, 3 t	12.60	12,*13*	B
5151	10	f 2, 2 g	10.24	07,*08*	B
5157	10	g 2, 3 h	10.41	15,*15*	B
5164	10	g 2, 2 h	10.46	10,*10*	B
5171	61	k 3, 1 l	10.96	08,*07*	B
5175	60	m 1, 3 n	11.26	08,*07*	B
5292	60	s 2	12.82	A	Bd
5530	60	s 1	12.72	A	B
5546	60	t 1, N	*12.8*		B
5585	60	r 2, N	*12.6*		B
5586	62	p 2	12.22	A	B
5619	10	q 3	12.52	A	B
5646	54	s 2, 1 t	12.74	08,*07*	B
5866	10	r 1, N	*12.5*		B

158. *194350.* W Telescopii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5868	10	r 1, N	*12.5*		B
5912	60	r 1, N	*12.5*		B
5939	60	q 2, 1 r	12.38	04,*04*	B
5945	10	q 2, N	*12.4*		B
5961	65	o 1, 2 p	11.83	01,*01*	B
5970	60	m 2, 2 n	11.36	08,*07*	B
5971	60	e 1, 1 f	10.02	01,*01*	B
6018	60	d 3, 3 e	9.80	18,*17*	B
6019	60	c 2, 2 d	9.59	11,*11*	B
6032	10	d 2, 2 e	9.80	08,*07*	B
6033	10	d 3, 2 e	9.86	12,*13*	B
6033	60	d 3, 3 e	9.80	18,*17*	B
6033	60	d 2, 3 e	9.76	12,*13*	B
6044	60	d 2, 3 e	9.76	12,*13*	B
6061	60	k 1, N	*10.8*		B
6229	61	r 1, N	*12.5*		B
6258	71	s 1, N	*12.7*		B
6286	60	k 3, 2 l	10.92	12,*13*	B
6297	63	f 3, 3 g	10.24	17,*18*	B
6302	60	f 3, 3 g	10.24	17,*18*	B
6302	10	d 3, 1 e	9.90	08,*07*	B
6310	10	f 3, 2 g	10.28	13,*12*	B
6310	60	d 3, 1 e	9.90	08,*07*	B
6312	60	f 2, 2 g	10.24	07,*08*	B
6326	61	d 3, 3 e	9.80	18,*17*	B
6327	10	c 2, 2 d	9.59	11,*11*	B
6331	62	d 3, 3 e	9.80	18,*17*	B
6337	60	d 3, 3 e	9.80	18,*17*	B
6340	60	f 3, 2 g	10.28	13,*12*	B
6340	61	f 3, 2 g	10.28	13,*12*	B
6344	68	g 2, 2 h	10.46	10,*10*	B
6358	10	g 2, 2 h	10.46	10,*10*	B
6359	10	h 2, 2 k	10.65	11,*11*	B
6359	60	g 2, 2h	10.46	10,*10*	B
6438	60	h 1, N	*10.6*		B
6461	62	f 1, N	*10.2*		B
6594	10	k 1	10.84	A	B
6603	60	f 3, 2 g	10.28	13,*12*	B
6604	10	g 2, 2 h	10.46	10,*10*	B
6605	10	f 3, 2 g	10.28	13,*12*	B
6607	60	f 3, 3 g	10.24	17,*18*	B
6607	28	f 2, 1 g	10.28	03,*02*	B
6613	60	d 3, 2 e	9.86	12,*13*	B
6614	60	d 3, 2 e	9.86	12,*13*	B
6626	10	e 2, 2 f	10.02	11,*11*	B
6634	60	d 3, 3 e	9.80	18,*17*	B
6635	60	f 2, 2 g	10.24	07,*08*	B
6635	12	d 3, 1 e	9.90	08,*07*	B
6636	60	f 2, 2 g	10.24	07,*08*	B
6639	67	d 2, 1 e	9.86	02,*03*	B
6639	60	f 3, 3 g	10.24	17,*18*	B
6655	60	f 2, 2 g	10.24	07,*08*	B
6655	60	g 1, 2 h	10.41	05,*05*	B
6663	10	g 2, 2 h	10.46	10,*10*	B
6668	61	g 2, 2 h	10.46	10,*10*	B
6682	62	f 2, 2 g	10.24	07,*08*	B
6682	60	g 2, 2 h	10.46	10,*10*	B
6694	60	l 1, N	*11.0*		B
6711	65	k 1, N	*10.8*		B
6766	60	k 1, N	*10.8*		B
6783	62	k 1, N	*10.8*		B
6793	68	h 1, N	*10.6*		B
6802	68	h 1, N	*10.6*		B
6933	62	b 2, 1 c	9.40	00,00	B
6938	60	b 3, 2 c	9.40	10,*10*	B
6957	10	e 2, 1 f	10.07	06,*06*	B
6962	65	f 3, 2 g	10.28	13,*12*	B
6964	65	f 3, 2 g	10.28	13,*12*	B
6975	60	h 2, 3 k	10.60	16,*16*	B
6977	67	h 1, 3 k	10.55	11,*11*	B
6979	63	h 1, 2 k	10.60	06,*06*	B
6981	10	k 2, 1 l	10.92	02,*03*	B
6988	60	h 3, 1 k	10.75	11,*11*	B
7010	10	n 1	11.59	A	B
7018	10	q 2, 1 r	12.38	04,*04*	B
7039	10	r 2, 1 s	12.58	06,*06*	B
7095	10	s 2	12.92	A	B
7174	62	h 1, 2 k	10.60	06,*06*	B

159. 194604. X Aquilae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
0873	15	l 1, N	*10.9*		B
0929	18	h 3, 3 k	10.46	15,*15*	B
1610	12	g 3, 3 h	10.06	05,*05*	B
1641	15	g 2, 3 h	10.01	00,00	B
1886	10	o 1, N	*11.7*		B
1986	11	g 3, 3 h	10.06	05,*05*	B
1993	15	f 2, 2 g	9.71	10,*10*	B
2236	10	n 2, N	*11.6*		B
2258	18	p 1, N	*12.0*		B
2343	14	h 3, 3 k	10.46	15,*15*	B
2344	10	g 3, 3 h	10.06	05,*05*	B
2347	18	g 3, 3 h	10.06	05,*05*	B
2354	10	g 3, 2 h	10.11	00,00	B
2665	12	g 4, 3 h	10.11	10,*10*	B
2666	10	g 2, 3 h	10.01	00,00	B
2666	10	g 1, 2 h	10.01	*10*,10	B
2678	15	g 3, 3 h	10.06	05,*05*	B
2679	11	f 3, 2 g	9.76	15,*15*	B
2685	*62*	f 1, 1 g	9.71	00,00	B
2685	*60*	f 1, 1 g	9.71	00,00	B
2686	*60*	g 1, 1 h	10.06	*15*,15	B
2686	*64*	f 1, 2 g	9.66	05,*05*	B
2707	22	g 3, 3 h	10.06	05,*05*	B
2709	11	g 1, 2 h	10.01	*10*,10	B
3021	*60*	g 3, 2 h	10.11	00,00	B
3031	10	g 3, 4 h	10.01	10,*10*	B
3093	10	m 2, 2 n	11.24	04,*04*	B
3113	14	o 3, 2 p	11.86	12,*11*	B
3155	12	p 2, N	*12.1*		B
3300	15	p 2, N	*12.1*		B
3316	14	o 3, 1 p	11.92	06,*07*	B
3350	10	k 3, 3 l	10.72	19,*19*	B
3356	10	g 3, 2 h	10.11	00,00	B
3365	25	g 3, 2 h	10.11	00,00	B
3377	10	f 1, 1 g	9.71	00,00	B
3385	21	g 1, 2 h	10.01	*10*,10	B
3441	15	m 2, 2 n	11.24	04,*04*	B
3467	12	o 2, 1 p	11.86	02,*01*	B
3468	11	o 2, 2 p	11.82	06,*07*	B
3498	10	p 3, 1 q	12.28	*03*,02	B
3646	11	p 1, N	*12.0*		B
3707	14	n 2, 2 o	11.54	06,*06*	B
3721	20	m 1, 2 n	11.19	*01*,01	B
3730	13	h 2, 1 k	10.51	00,00	B
3741	12	h 2, 2 k	10.46	05,*05*	B
3747	12	h 1, 2 k	10.41	00,00	B
3759	16	k 2, 2 l	10.72	09,*09*	B
3761	15	h 2, 2 k	10.46	05,*05*	B
3791	10	m 2, 1 n	11.29	*01*,01	B
3852	10	p 1, N	*12.0*		B
3877	10	p 2, N	*12.1*		B
3878	28	p 2, N	*12.1*		B
3994	10	p 2, N	*12.1*		B
4030	15	o 2, N	*11.8*		B
4077	10	f 2, 1 g	9.76	05,*05*	B
4086	13	g 3, 3 h	10.06	05,*05*	B
4099	10	g 3, 3 h	10.06	05,*05*	B
4112	10	g 3, 1 h	10.16	*05*,05	B
4121	10	h 3, 3 k	10.46	15,*15*	B

159. 194604. X AQUILAE.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4150	11	n 1, 2 o	11.49	01,*01*	B
4170	13	o 3, 3 p	11.82	16,*17*	B
4202	10	p 1, N	*12.0*		B
4202	10	p 2, N	*12.1*		B
4233	11	p 2, N	*12.1*		B
4347	10	p 1, N	*12.0*		B
4401	14	m 2, 2 n	11.24	04,*04*	B
4424	16	g 2, 2 h	10.06	*05*,05	B
4426	10	g 2, 2 h	10.06	*05*,05	B
4449	10	g 3, 2 h	10.11	00,00	B
4465	*120*	k 2, 1 l	10.77	04,*04*	B
4466	*120*	k 1, 1 l	10.72	*01*,01	B
4517	15	p 2, N	*12.1*		B
4563	14	p 1, N	*12.0*		B
4606	10	n 2, N	*11.6*		B
4766	71	f 3, 2 g	9.76	15,*15*	B
4777	11	g 2, 2 h	10.06	*05*,05	B
4795	10	g 1, 2 h	10.01	*10*,10	B
4815	60	h 2, 3 k	10.41	10,*10*	B
4824	10	l 2, 1 m	11.00	03,*02*	B
4826	14	k 1, 2 l	10.67	04,*04*	B
4833	11	k 2, 2 l	10.72	09,*09*	B
4833	16	k 3, 2 l	10.77	14,*14*	B
4835	17	m 2, 3 n	11.19	09,*09*	B
4844	17	m 2, 3 n	11.19	09,*09*	B
4854	15	n 3, 1 o	11.64	06,*06*	B
4891	10	p 3, 2 q	12.22	03,*02*	B
5119	55	g 2, 2 h	10.06	*05*,05	B
5145	54	g 2, 1 h	10.11	*10*,10	Bd
5146	32	g 3, 3 h	10.06	05,*05*	B
5148	63	g 2, 2 h	10.06	*05*,05	B
5225	62	n 1, N	*11.5*		Bi
5235	62	o 1, N	*11.7*		Bi
5266	60	o 2, N	*11.8*		B
5287	19	p 2, N	*12.1*		B
5298	16	p 1, N	*12.0*		B
5304	10	m 2, N	*11.2*		B
5346	29	o 2, N	*11.8*		B
5533	10	m 1, 1 n	11.24	*06*,06	B
5561	10	o 2, 3 p	11.76	12,*11*	B
5562	11	o 2, 1 p	11.86	02,*01*	B
5593	12	p 2, N	*12.1*		B
5633	60	p 2, N	*12.1*		B
5665	19	p 2, N	*12.1*		B
5692	61	o 1, N	*11.7*		B
5720	75	m 1, N	*11.1*		B
5796	25	m 2, N	*11.2*		B
	m.				
5868	60	m 2, N	*11.2*		B
5868	10	l 2, 2 m	10.96	07,*08*	B
5898	10	n 1, 2 o	11.49	01,*01*	B
5927	10	p 1, N	*12.0*		B
5941	60	p 1, N	*12.0*		B
5985	136	p 3, N	*12.2*		B
5998	5	o 1, N	*11.7*		B
6013	10	o 1, N	*11.7*		B
6054	60	n 1, N	*11.5*		B
6092	14	h 1, N	*10.4*		B
6226	66	m 1, 1 n	11.24	*06*,06	B
6241	10	n 2, 1 o	11.59	01,*01*	B
6281	60	n 1, N	*11.5*		B
6310	10	p 2, N	*12.1*		B
6348	30	p 2, N	*12.1*		B
6358	10	p 3, 1 q	12.28	*03*,02	B
6383	*64*	n 1, 1 o	11.54	*04*,04	B
6397	60	n 1, N	*11.5*		B
6409	*70*	m 2, 1 n	11.29	*01*,01	B
6555	53	m 1, N	*11.1*		B
6575	60	m 1, N	*11.1*		B
6635	10	p 3, 2 q	12.22	03,*02*	B
6682	10	p 1, N	*12.0*		B
6739	16	n 2, N	*11.6*		B
6761	72	n 1, N	*11.5*		B
6811	52	n 2, N	*11.6*		B
6824	79	n 1, N	*11.5*		B
6911	11	m 2, 2 n	11.24	04,*04*	B
6981	12	p 1, N	*12.0*		B
6991	10	p 2, N	*12.1*		B
7010	70	m 1, N	*11.1*		B
7031	64	n 1, N	*11.5*		B
7061	80	o 1, N	*11.7*		B
7096	10	p 1, N	*12.0*		B
7128	10	p 2, N	*12.1*		B
7164	64	n 1, N	*11.5*		B
7177	77	h 2, 2 k	10.46	05,*05*	B

160. *194659*. S PAVONIS.

J.D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1192	10	d 3, 2 e	8.98	09,*09*	B
1220	60	f 2, 3 g	9.57	*16*,16	B
1221	10	f 2, 3 g	9.57	*16*,16	B
1240	60	f 3, 2 g	9.67	*16*,16	B
1243	*60*	f 3, 3 g	9.62	*11*,11	B
1262	60	f 2, 3 g	9.57	*16*,16	B
	m.				
1894	10	a 2, 2 b	7.92	02,*03*	B
1894	13	c 1, 2 d	8.47	*10*,10	B
1894	10	b 1, 1 c	8.18	01,*01*	B
1894	12	a 3, 2 b	7.96	08,*07*	B
1894	12	c 2, 2 d	8.52	*05*,05	B
1894	12	b 1, 2 c	8.13	06,*06*	B
1979	*74*	d 1, 2 e	8.88	*01*,01	B
2258	10	c 2, 2 d	8.52	*05*,05	B
2271	*65*	c 1, 2 d	8.47	*10*,10	B
2309	*79*	c 2, 2 d	8.52	*05*,05	B
2350	10	d 3, 2 e	8.98	09,*09*	B
2350	14	c 3, 2 d	8.57	00,00	B
2364	*110*	d 1, 2 e	8.88	*01*,01	B
2702	10	c 2, 2 d	8.52	*05*,05	B
2702	10	c 2, 2 d	8.52	*05*,05	B
2702	10	c 2, 1 d	8.57	*10*,10	B
2702	10	c 2, 1 d	8.57	*10*,10	B
2702	10	c 2, 2 d	8.52	*05*,05	B
2702	10	d 2, 1 e	8.98	*01*,01	B
2756	*60*	c 2	8.47	A	B
3012	*63*	c 2, 2 d	8.52	*05*,05	B
3012	*60*	c 2, 1 d	8.57	*10*,10	B
3016	*60*	c 2, 2 d	8.52	*05*,05	B
3016	*71*	b 2, 1 c	8.23	06,*06*	B
3019	*64*	b 2, 1 c	8.23	06,*06*	B
3024	10	b 2, 1 c	8.23	06,*06*	B
3024	10	c 1, 2 d	8.47	*10*,10	B
3026	10	c 1, 2 d	8.47	*10*,10	B
3031	10	c 2, 1 d	8.57	*10*,10	B
3031	10	b 2, 1 c	8.23	06,*06*	B
3051	10	c 2, 2 d	8.52	*05*,05	B
3054	10	c 2, 2 d	8.52	*05*,05	B
3064	*60*	c 1, 2 d	8.47	*10*,10	B
3087	10	c 2, 2 d	8.52	*05*,05	B
3290	10	a 2, 2 b	7.92	02,*03*	B
3323	10	b 1, 2 c	8.13	06,*06*	B
3323	10	a 2, 2 b	7.92	02,*03*	B
3323	10	c 1, 2 d	8.47	*10*,10	B
3324	11	c 1, 2 d	8.47	*10*,10	B
3345	*60*	b 2, 1 c	8.23	06,*06*	B
3348	10	b 1, 1 c	8.18	01,*01*	B
3377	10	c 1, 1 d	8.52	*15*,15	B
3406	10	b 1, 2 c	8.13	06,*06*	B
3407	10	c 2, 2 d	8.52	*05*,05	B
3407	10	c 1, 2 d	8.47	*10*,10	B
3426	10	a 1, 2 b	7.86	*02*,03	B
"	"	b 2, 1 c	8.23	06,*06*	B

160. *194659.* S Pavonis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3442	13	b 1, 2 c	8.13	06,*06*	B
3449	*60*	b 1, 1 c	8.18	01,*01*	B
3449	*26*	c 2	8.47	A	B
3449	*78*	c 2, 2 d	8.52	*05*,05	B
3481	10	c 1, 3 d	8.42	*05*,05	B
3642	12	d 2, 2 e	8.93	04,*04*	B
3656	20	d 1, 2 e	8.88	*01*,01	B
3694	11	a 2, 1 b	7.96	*02*,03	B
3715	10	a 2, 2 b	7.92	02,*03*	B
3717	16	a 1, 2 b	7.86	*02*,03	Bd
3717	10	a 1, 1 b	7.92	*08*,07	B
3721	10	b 1, 1 c	8.18	01,*01*	B
3726	10	b 1, 2 c	8.13	06,*06*	B
3728	14	a 2, 1 b	7.96	*02*,03	B
3742	10	a 2, 1 b	7.96	*02*,03	B
3747	19	b 1, 2 c	8.13	06,*06*	B
3758	15	a 2, 1 b	7.96	*02*,03	B
3786	12	a 2, 1 b	7.96	*02*,03	B
3810	*54*	b 1, 1 c	8.18	01,*01*	B
3831	14	c 1, 2 d	8.47	*10*,10	B
3846	10	b 1, 2 c	8.13	06,*06*	B
3847	11	c 2, 1 d	8.57	*10*,10	B
3888	12	c 2, 1 d	8.57	*10*,10	B
3996	13	d 1, 2 e	8.88	*01*,01	B
4022	13	c 2, 2 d	8.52	*05*,05	B
4041	14	c 3, 1 d	8.62	*05*,05	B
4048	*60*	c 3, 1 d	8.62	*05*,05	B
4066	15	c 2, 2 d	8.52	*05*,05	B
4077	10	c 1, 2 d	8.47	*10*,10	B
4084	10	c 2, 1 d	8.57	*10*,10	B
4086	24	d 2, 1 e	8.98	*01*,01	B
4107	10	c 1, 2 d	8.47	*10*,10	B
4125	10	c 1, 2 d	8.47	*10*,10	B
4140	10	a 2, 1 b	7.96	*02*,03	B
4140	10	a 1, 1 b	7.92	*08*,07	B
4143	5	a 1, 2 b	7.86	*02*,03	B
4143	10	a 2, 2 b	7.92	02,*03*	B
4181	10	a 2, 2 b	7.92	02,*03*	B
4202	10	a 1, 2 b	7.86	*02*,03	B
4202	10	b 1, 2 c	8.13	06,*06*	B
4406	10	d 3, 2 e	8.98	09,*09*	B
4426	14	c 2, 1 d	8.57	*10*,10	B
4426	10	d 2, 2 e	8.93	04,*04*	B
4455	*36*	c 2, 2 d	8.52	*05*,05	B
4494	*70*	b 1, 2 c	8.13	06,*06*	B
4507	*80*	c 2, 3 d	8.47	00,00	B
4525	62	a 2, 1 b	7.96	*02*,03	B
4583	10	a 1, 2 b	7.86	*02*,03	B
4584	10	b 1, 1 c	8.18	01,*01*	B
4585	10	a 1, 2 b	7.86	*02*,03	Bp
4596	10	b 1, 2 c	8.13	06,*06*	B
4765	10	f 1, 2 g	9.57	*26*,26	B
4766	9	d 3, 2 e	8.98	09,*09*	B
4776	10	e 2, 1 f	9.20	09,*09*	B
4823	10	c 2, 2 d	8.52	*05*,05	B
4825	11	c 2, 2 d	8.52	*05*,05	B
4826	10	c 2, 2 d	8.52	*05*,05	B
4832	10	c 2, 2 d	8.52	*05*,05	B
4853	11	b 1, 2 c	8.13	06,*06*	B
4853	10	c 2, 2 d	8.52	*05*,05	B
4862	64	c 1, 2 d	8.47	*10*,10	B
4863	65	c 2, 3 d	8.47	00,00	B
4870	70	b 2, 1 c	8.23	06,*06*	B
4874	67	b 2, 1 c	8.23	06,*06*	B
4878	272	c 1, 2 d	8.47	*10*,10	B
4882	10	a 3, 1 b	8.02	02,*03*	B
4891	11	c 2, 1 d	8.57	*10*,10	B
4891	60	c 1, 2 d	8.47	*10*,10	B
4891	64	b 2, 2 c	8.18	11,*11*	B
4898	66	b 1, 1 c	8.18	01,*01*	B
4898	74	c 1, 3 d	8.42	*05*,05	B
4899	60	b 1, 1 c	8.18	01,*01*	B
4899	61	b 1, 1 c	8.18	01,*01*	B
4925	60	a 2, 2 b	7.92	02,*03*	B
4927	60	c 1, 2 d	8.47	*10*,10	B
4938	70	b 1, 2 c	8.13	06,*06*	B
4941	13	b 1, 1 c	8.18	01,*01*	B
4942	84	c 2, 2 d	8.52	*05*,05	B
4953	63	c 1, 2 d	8.47	*10*,10	B
4954	68	c 2, 2 d	8.52	*05*,05	Be
4970	11	c 1, 2 d	8.47	*10*,10	B
5143	60	d 1, 2 e	8.88	*01*,01	B
5148	62	d 3, 2 e	8.98	09,*09*	B
5157	10	c 1, 2 d	8.47	*10*,10	B
5163	10	c 2, 2 d	8.52	*05*,05	B
5165	67	d 1, 2 e	8.88	*01*,01	B
5171	60	c 2, 1 d	8.57	*10*,10	B
5173	60	c 1, 1 d	8.52	*15*,15	B
5190	80	c 1, 1 d	8.52	*15*,15	B
5204	61	e 1, 1 f	9.15	04,*04*	B
5222	64	c 3, 3 d	8.52	05,*05*	B
5222	65	c 2, 2 d	8.52	*05*,05	B
5234	61	b 1, 1 c	8.18	01,*01*	Bi
5235	61	c 2, 2 d	8.52	*05*,05	B
5267	60	b 3, 1 c	8.28	11,*11*	Be
5267	81	c 2, 2 d	8.52	*05*,05	B
5267	10	b 2, 1 c	8.23	06,*06*	B
5267	10	b 1, 1 c	8.18	01,*01*	Bi
5274	67	a 2, 1 b	7.96	*02*,03	B
5275	60	c 2, 1 d	8.57	*10*,10	B
5276	63	c 1, 2 d	8.47	*10*,10	B
5280	10	c 1, 1 d	8.52	*15*,15	B
5325	60	b 2, 1 c	8.23	06,*06*	B
5486	10	d 1, 2 e	8.88	*01*,01	B
5522	61	c 2, 1 d	8.57	*10*,10	B
5523	10	d 2, 2 e	8.93	04,*04*	B
5527	60	c 2, 1 d	8.57	*10*,10	B
5532	61	d 1, 3 e	8.83	04,*04*	B
5532	10	c 2, 2 d	8.52	*05*,05	B
5533	60	c 2, 2 d	8.52	*05*,05	B
5533	60	c 2, 1 d	8.57	*10*,10	B
5534	11	c 1, 2 d	8.47	*10*,10	B
5541	62	c 2, 2 d	8.52	*05*,05	B
5542	61	c 3, 2 d	8.57	00,00	B
5543	60	d 2, 4 e	8.83	14,*14*	B
5557	60	c 2, 2 d	8.52	*05*,05	B
5557	60	c 2, 2 d	8.52	*05*,05	B
5557	60	c 3, 1 d	8.62	*05*,05	B
5560	60	c 3, 1 d	8.62	*05*,05	B
5571	61	d 1, 2 e	8.88	*01*,01	B
5575	28	d 2, 3 e	8.88	09,*09*	B
5584	60	c 2, 1 d	8.57	*10*,10	B
5590	64	c 2, 1 d	8.57	*10*,10	B
5590	67	d 2, 2 e	8.93	04,*04*	B
5591	65	d 1, 2 e	8.88	*01*,01	B
5599	62	d 2, 3 e	8.88	09,*09*	B
5602	60	c 1, 2 d	8.47	*10*,10	B
5603	62	d 2, 3 e	8.88	09,*09*	B
5606	*60*	c 2	8.47	A	Be
5607	*63*	d 1, 2 e	8.88	*01*,01	B
5607	86	c 3, 2 d	8.57	00,00	B
5607	65	c 4, 2 d	8.62	05,*05*	B
5618	60	c 3, 2 d	8.57	00,00	B
5619	10	c 1, 2 d	8.47	*10*,10	B
5620	60	d 2, 1 e	8.98	*01*,01	B
5623	65	d 2, 3 e	8.88	09,*09*	B
5630	90	b 1, 1 c	8.18	01,*01*	B
5632	60	c 2, 1 d	8.57	*10*,10	B
5633	68	c 2, 1 d	8.57	*10*,10	B
5633	65	c 2, 2 d	8.52	*05*,05	B
5639	60	c 2, 2 d	8.52	*05*,05	B

160. *194659.* S Pavonis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5639	60	b 1, 1 c	8.18	01,*01*	B
5646	62	a 2, 2 b	7.92	02,*03*	B
5648	60	a 1, 1 b	7.92	*08*,07	B
5659	71	a 1, 2 b	7.86	*02*,03	B
5659	70	a 2, 2 b	7.92	02,*03*	B
5661	240	a 1, 4 b	7.76	08,*07*	B
5663	10	a 2, 3 b	7.86	08,*07*	B
5666	60	A 3, 2 a	7.52	*03*,02	B
5668	68	A 3, 3 a	7.46	03,*02*	B
5854	60	d 2, 3 e	8.88	09,*09*	B
5866	60	d 1, 2 e	8.88	*01*,01	B
5868	10	c 2, 1 d	8.57	*10*,10	B
5869	60	d 2, 3 e	8.88	09,*09*	B
5872	60	c 3, 1 d	8.62	*05*,05	B
5885	60	c 2, 1 d	8.57	*10*,10	B
5887	60	c 2, 1 d	8.57	*10*,10	B
5887	10	c 3, 2 d	8.57	00,00	B
5887	10	c 3, 2 d	8.57	00,00	B
5897	60	d 2, 2 e	8.93	04,*04*	B
5898	60	d 2, 3 e	8.88	09,*09*	B
5898	60	d 2, 2 e	8.93	04,*04*	B
5898	10	c 3, 1 d	8.62	*05*,05	B
5910	60	c 1, 1 d	8.52	*15*,15	B
5911	62	d 3, 2 e	8.98	09,*09*	B
5912	60	d 2, 3 e	8.88	09,*09*	B
5913	60	d 3, 3 e	8.93	14,*14*	B
5914	65	d 3, 3 e	8.93	14,*14*	B
5914	60	d 1, 2 e	8.88	*01*,01	B
5915	60	d 3, 2 e	8.98	09,*09*	B
5918	10	c 3, 2 d	8.57	00,00	B
5926	60	d 3, 2 e	8.98	09,*09*	B
5926	60	d 3, 3 e	8.93	14,*14*	B
5929	60	c 2, 1 d	8.57	*10*,10	B
5933	60	d 1, 2 e	8.88	*01*,01	B
5934	60	d 2, 2 e	8.93	04,*04*	B
5941	60	d 2, 3 e	8.88	09,*09*	B
5941	60	d 2, 1 e	8.98	*01*,01	B
5943	60	d 2, 3 e	8.88	09,*09*	B
5943	60	d 2, 1 e	8.98	*01*,01	B
5945	60	d 2, 3 e	8.88	09,*09*	B
5961	60	d 2, 2 e	8.93	04,*04*	B
5962	60	c 2, 1 d	8.57	*10*,10	B
5971	60	d 2, 3 e	8.88	09,*09*	B
5973	73	d 3, 3 e	8.93	14,*14*	B
6008	60	c 3, 2 d	8.57	00,00	B
6011	60	c 3, 2 d	8.57	00,00	B
6018	60	c 2, 1 d	8.57	*10*,10	B
6019	60	d 1, 3 e	8.83	04,*04*	B
6022	60	c 3, 2 d	8.57	00,00	B
6033	60	a 2, 2 b	7.92	02,*03*	B
6033	60	c 1, 2 d	8.47	*10*,10	B
6033	10	b 1, 1 c	8.18	01,*01*	B
6044	60	a 1, 2 b	7.86	*02*,03	B
6045	60	a 2, 2 b	7.92	02,*03*	B
6045	60	a 2, 1 b	7.96	*02*,03	B
6061	60	a 1, 2 b	7.86	*02*,03	B
6093	63	a 1, 2 b	7.86	*02*,03	B
6183	64	c 3, 2 d	8.57	00,00	B
6208	60	d 2, 2 e	8.93	04,*04*	B
6226	60	d 3, 2 e	8.98	09,*09*	B
6239	61	e 1, 2 f	9.10	09,*09*	B
6240	67	d 2, 2 e	8.93	04,*04*	B
6241	10	d 1, 2 e	8.88	*01*,01	B
6242	10	d 2, 2 e	8.93	04,*04*	B
6242	63	d 2, 2 e	8.93	04,*04*	B
6242	63	d 2, 1 e	8.98	*01*,01	B
6249	61	d 3, 2 e	8.98	09,*09*	B
6254	61	d 2, 3 e	8.88	09,*09*	B
6254	10	d 2, 2 e	8.93	04,*04*	B
6263	61	c 2, 1 d	8.57	*10*,10	B
6267	60	d 3, 1 e	9.03	04,*04*	B
6268	60	d 2, 1 e	8.98	*01*,01	B
6270	60	e 1, 2 f	9.10	09,*09*	B
6272	62	d 3, 2 e	8.98	09,*09*	B
6283	61	d 3, 2 e	8.98	09,*09*	B
6288	60	d 3, 2 e	8.98	09,*09*	B
6293	60	d 2, 1 e	8.98	*01*,01	B
6297	61	d 2, 3 e	8.88	09,*09*	B
6297	63	d 2, 1 e	8.98	*01*,01	B
6302	60	f 2, 3 g	9.57	*16*,16	B
6302	60	f 1, 3 g	9.52	*21*,21	B
6302	10	d 1, 2 e	8.88	*01*,01	B
6309	10	e 2, 2 f	9.15	14,*14*	B
6310	60	e 1, 2 f	9.10	09,*09*	B
6310	60	f 2, 3 g	9.57	*16*,16	B
6311	63	d 2, 2 e	8.93	04,*04*	B
6312	60	e 1, 1 f	9.15	04,*04*	B
6331	62	d 3, 2 e	8.98	09,*09*	B
6337	60	d 3, 2 e	8.98	09,*09*	B
6340	60	d 2, 3 e	8.88	09,*09*	B
6340	61	d 3, 2 e	8.98	09,*09*	B
6344	68	d 3, 3 e	8.93	14,*14*	B
6355	61	d 2, 3 e	8.88	09,*09*	B
6358	10	c 2, 1 d	8.57	*10*,10	B
6359	60	d 1, 2 e	8.88	*01*,01	B
6359	60	d 1, 2 e	8.88	*01*,01	B
6368	42	b 2, 2 c	8.18	11,*11*	B
6375	60	c 2, 1 d	8.57	*10*,10	B
6379	60	c 2, 2 d	8.52	*05*,05	B
6379	60	c 2, 1 d	8.57	*10*,10	B
6396	60	c 3, 2 d	8.57	00,00	B
6396	10	b 1, 2 c	8.13	06,*06*	B
6397	64	c 2, 2 d	8.52	*05*,05	B
6398	71	c 2, 3 d	8.47	00,00	B
6400	68	c 1, 2 d	8.47	*10*,10	B
6408	60	b 1, 2 c	8.13	06,*06*	B
6438	60	b 1, 1 c	8.18	01,*01*	B
6461	62	c 1, 3 d	8.42	*05*,05	B
6558	60	c 2, 2 d	8.52	*05*,05	B
6583	62	d 1, 3 e	8.83	04,*04*	B
6583	10	c 2, 2 d	8.52	*05*,05	B
6589	69	d 2, 3 e	8.88	09,*09*	B
6593	60	d 1, 3 e	8.83	04,*04*	B
6593	60	d 1, 2 e	8.88	*01*,01	B
6603	60	d 2, 2 e	8.93	04,*04*	B
6603	10	d 1, 2 e	8.88	*01*,01	B
6604	63	d 2, 2 e	8.93	04,*04*	B
6605	11	d 2, 2 e	8.93	04,*04*	B
6606	10	d 2, 2 e	8.93	04,*04*	B
6607	60	e 2, 1 f	9.20	09,*09*	B
6607	60	d 2, 2 e	8.93	04,*04*	B
6607	28	d 2, 3 e	8.88	09,*09*	B
6613	60	d 3, 3 e	8.93	14,*14*	B
6614	60	d 3, 2 e	8.98	09,*09*	B
6634	60	e 2, 2 f	9.15	14,*14*	B
6635	60	f 2, 3 g	9.57	*16*,16	B
6635	10	e 1, 1 f	9.15	04,*04*	B
6636	60	f 3, 2 g	9.67	*16*,16	B
6636	60	f 2, 3 g	9.57	*16*,16	B
6639	67	e 2, 1 f	9.20	09,*09*	B
6639	60	f 3, 2 g	9.67	*16*,16	B
6639	60	f 1, 2 g	9.57	*26*,26	B
6650	61	f 3, 3 g	9.62	*11*,11	B
6653	50	f 3, 2 g	9.67	*16*,16	B
6655	60	f 4, 2 g	9.72	*11*,11	Bd
6655	60	f 3, 3 g	9.62	*11*,11	B
6667	64	f 3, 3 g	9.62	*11*,11	B
6668	61	f 3, 3 g	9.62	*11*,11	B
6682	62	f 3, 2 g	9.67	*16*,16	B
6682	60	d 3, 2 e	8.98	09,*09*	Be
6682	10	d 2, 2 e	8.93	04,*04*	B

160. *194659.* S PAVONIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6682	12	f 1, 2 g	9.57	*26*,26	B
6684	60	f 1, 2 g	9.57	*26*,26	B
6685	61	d 3, 2 e	8.98	09,*09*	B
6685	76	f 2, 3 g	9.57	*16*,16	B
6692	63	e 1, 1 f	9.15	04,*04*	B
6694	60	d 3, 2 e	8.98	09,*09*	B
6697	70	d 2, 1 e	8.98	*01*,01	B
6698	60	e 1, 1 f	9.15	04,*04*	B
6705	63	d 2, 3 e	8.88	09,*09*	B
6706	68	d 3, 3 e	8.93	14,*14*	B
6711	65	d 2, 2 e	8.93	04,*04*	B
6713	61	d 1, 2 e	8.88	*01*,01	B
6715	63	d 2, 3 e	8.88	09,*09*	B
6724	60	c 3, 2 d	8.57	00,00	B
6726	60	c 3, 1 d	8.62	*05*,05	B
6726	60	d 1, 1 e	8.93	*06*,06	B
6727	63	d 1, 3 e	8.83	04,*04*	B
6743	63	c 3, 3 d	8.52	05,*05*	B
6745	61	c 3, 2 d	8.57	00,00	Bde
6745	60	c 1, 2 d	8.47	*10*,10	B
6752	60	c 1, 2 d	8.47	*10*,10	B
6753	60	c 2, 3 d	8.47	00,00	B
6755	60	c 1, 3 d	8.42	*05*,05	B
6759	60	a 2, 1 b	7.96	*02*,03	B
6765	67	a 1, 1 b	7.92	*08*,07	B
6766	60	b 1, 1 c	8.18	01,*01*	B
6766	60	b 2, 1 c	8.23	06,*06*	B
6783	62	c 2, 2 d	8.52	*05*,05	B
6790	60	b 1, 2 c	8.13	06,*06*	B
6793	68	c 2, 2 d	8.52	*05*,05	B
6802	68	c 1, 3 d	8.42	*05*,05	B
6915	62	a 3, 1 b	8.02	02,*03*	Be
6933	62	b 3, 1 c	8.28	11,*11*	B
6938	60	c 3, 4 d	8.47	10,*10*	B
6957	60	c 3, 0 d, 3 e	8.71	*14*,06, 08	B
6960	60	c 3, 2 d	8.57	00,00	B
6962	65	d 1, 2 e	8.88	*01*,01	B
6963	10	c 2, 2 d	8.52	*05*,05	B
6964	65	d 1, 3 e	8.83	04,*04*	B
6968	63	c 2, 2 d	8.52	*05*,05	B
6975	60	d 2, 3 e	8.88	09,*09*	B
6976	61	c 3, 1 d	8.62	*05*,05	B
6977	67	d 3, 2 e	8.98	09,*09*	B
6979	63	d 3, 2 e	8.98	09,*09*	B
6981	62	c 3, 1 d	8.62	*05*,05	B
6981	10	c 3, 2 d	8.57	00,00	B
6988	60	d 3, 1 e	9.03	04,*04*	B
6999	59	d 3, 2 e	8.98	09,*09*	B
7001	62	e 2, 1 f	9.20	09,*09*	B
7004	60	f 1, 4 g	9.47	*16*,16	B
7007	63	f 2, 3 g	9.57	*16*,16	Bd
7010	60	f 2, 3 g	9.57	*16*,16	B
7017	61	f 3, 3 g	9.62	*11*,11	Bd
7017	10	f 3, 3 g	9.62	*11*,11	B
7018	60	f 3, 3 g	9.62	*11*,11	B
7023	*122*	f 2, 1 g	9.67	*26*,26	B
7024	*126*	g 1, N	*10.1*		B
7032	71	f 3, 3 g	9.62	*11*,11	B
7037	60	f 4, 2 g	9.72	*11*,11	B
7038	60	f 2, 4 g	9.52	*11*,11	B
7039	60	f 4, 2 g	9.72	*11*,11	B
7051	60	f 2, 4 g	9.52	*11*,11	B
7052	*128*	g 1, N	*10.1*		Bd
7067	10	d 3, 2 e	8.98	09,*09*	Bp
7067	10	f 2, 3 g	9.57	*16*,16	B
7067	10	e 2, 1 f	9.20	09,*09*	B
7068	60	d 3, 1 e	9.03	04,*04*	B
7068	60	e 1, 2 f	9.10	09,*09*	B
7069	60	d 3, 1 e	9.03	04,*04*	B
7069	69	e 2, 1 f	9.20	09,*09*	B
7076	65	d 2, 1 e	8.98	*01*,01	B
7083	*120*	d 1, 3 e	8.83	04,*04*	B
7094	62	d 2, 1 e	8.98	*01*,01	B
7094	69	d 1, 2 e	8.88	*01*,01	B
7096	64	d 3, 2 e	8.98	09,*09*	B
7098	60	d 3, 1 e	9.03	04,*04*	B
7098	60	d 2, 2 e	8.93	04,*04*	B
7105	60	d 2, 3 e	8.88	09,*09*	B
7121	60	d 1, 3 e	8.83	04,*04*	B
7124	60	c 3, 0 d, 2 e	8.74	*17*,03, 15	B
7125	65	c 2, 2 d	8.52	*05*,05	B
7174	62	b 3, 1 c	8.28	11,*11*	B

161. *194929.* RR SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1174	10	e 1, N	*11.0*		Bd
1192	10	q 1, N	*12.4*		B
1205	60	p 2, N	*12.3*		Be
1235	60	p 3	12.40	A	B
1237	60	o 1	11.97	A	B
1283	12	h 2, 2 k	10.47	00,00	B
1516	60	p 2	12.30	A	B
1870	10	p 1, N	*12.2*		B
1870	12	o 1, N	*11.9*		B
1886	11	o 2, N	*12.0*		B
1956	10	m 2, 2 n	11.52	05,*05*	B
2009	*78*	a 2, 2 b	7.94	*04*,04	B
2258	13	p 2, N	*12.3*		B
2258	12	n 1, N	*11.7*		B
2305	15	k 3, 2 l	10.84	13,*12*	B
2322	*60*	d 1, 2 e	8.71	*09*,09	B
2327	21	a 2, 2 b	7.94	*04*,04	B
2334	17	a 2, 2 b	7.94	*04*,04	B
2335	28	a 1, 2 b	7.89	*09*,09	B
2335	*65*	a 1, 2 b	7.89	*09*,09	B
2385	18	a 2, 2 b	7.94	*04*,04	B
2655	21	d 3, 2 e	8.81	01,*01*	B
2659	*42*	2 c	8.30	A	Be
2659	*70*	d 2, 2 e	8.76	*04*,04	B
2664	*75*	d 1, 2 e	8.71	*09*,09	B
2664	*66*	d 2, 3 e	8.71	01,*01*	B
2666	10	b 1, 2 c	8.29	*01*,01	B
2666	10	b 1, 2 c	8.29	*01*,01	B
2667	10	c 1, 2 d	8.46	14,*14*	B
2667	11	2 c	8.30	A	Be
2687	*68*	A 3, 2 a	7.46	*05*,04	B
2687	*63*	A 4, 2 a	7.50	01,00	B
2716	16	a 3, 2 b	7.99	01,*01*	B
2936	12	p 3, 2 q	12.28	12,*13*	B
2989	*64*	f 1, 1 g	9.48	*08*,07	B
3041	10	b 1, 2 c	8.29	*01*,01	B
3062	*60*	b 2, 2 c	8.34	04,*04*	B
"	"	a 3, 1 b	8.04	*04*,04	B
3065	*60*	b 1, 2 c	8.29	*01*,01	B
3090	30	b 2, 2 c	8.34	04,*04*	B
3145	13	m 2, 2 n	11.52	05,*05*	B
3290	30	m 2, 2 n	11.52	05,*05*	B
3324	10	h 2, 2 k	10.47	00,00	B
3341	*60*	b 2, 1 c	8.39	*01*,01	B
"	"	a 3, 1 b	8.04	*04*,04	B
3346	13	b 1, 2 c	8.29	*01*,01	B
3348	10	b 1, 2 c	8.29	*01*,01	B
3349	10	b 2, 2 c	8.34	04,*04*	B
3351	10	b 1, 2 c	8.29	*01*,01	B
3358	*60*	A 3, 2 a	7.46	*05*,04	Be
3365	22	a 2, 3 b	7.89	01,*01*	B
3377	10	b 1, 2 c	8.29	*01*,01	B
3378	10	c 1, 2 d	8.46	14,*14*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
161. *194929.* RR Sagittarii.					
	m.				
3385	10	a 1, 1 b	7.94	*14*,14	B
3385	18	a 2, 2 b	7.94	*04*,04	B
3390	*60*	a 2, 2 b	7.94	*04*,04	B
3422	18	e 1, 1 f	9.15	*05*,05	B
3426	12	d 2, 2 e	8.76	*04*,04	B
3442	10	f 3, 1 g	9.58	02,*03*	B
3482	14	l 1, 2 m	11.10	*08*,07	B
3498	10	m 2, 2 n	11.52	05,*05*	B
3499	12	m 3, 2 n	11.57	10,*10*	B
3642	10	m 2, N	*11.5*		B
3658	11	h 2, 2 k	10.47	00,00	B
3672	10	d 2, 3 e	8.71	01,*01*	Bp
3689	10	a 1, 2 b	7.89	*09*,09	B
3707	11	a 2, 2 b	7.94	*04*,04	B
3715	11	a 2, 2 b	7.94	*04*,04	B
3723	11	3 c	8.20	A	Be
3723	10	b 1, 2 c	8.29	*01*,01	B
3728	16	b 1, 2 c	8.29	*01*,01	B
3729	12	a 2, 2 b	7.94	*04*,04	B
3740	28	b 1, 2 c	8.29	*01*,01	B
3742	10	b 1, 2 c	8.29	*01*,01	B
3744	12	b 2, 3 c	8.29	09,*09*	B
3759	17	c 1, 2 d	8.46	14,*14*	B
3786	19	g 1, 2 h	9.91	*16*,16	B
3803	14	h 1, 2 k	10.42	*05*,05	B
3808	14	k 1, 2 l	10.74	03,*02*	B
3826	10	m 2, 2 n	11.52	05,*05*	B
3833	10	m 1, 2 n	11.47	00,00	B
3839	14	m 2, 2 n	11.52	05,*05*	B
3861	11	p 2	12.30	A	B
3877	10	p 3, 1 q	12.32	08,*07*	B
3888	14	p 2, N	*12.3*		B
3996	10	k 1, 2 l	10.74	03,*02*	B
4024	10	b 1, 2 c	8.29	*01*,01	B
4057	10	a 1, 2 b	7.89	*09*,09	B
4071	10	b 1, 2 c	8.29	*01*,01	B
4076	10	a 2, 2 b	7.94	*04*,04	B
4077	11	b 1, 1 c	8.34	*06*,06	B
4085	10	b 2, 2 c	8.34	04,*04*	B
4086	10	d 1, 2 e	8.71	*09*,09	B
4097	14	b 3, 2 c	8.39	09,*09*	B
4099	10	b 3	8.48	A	Be
4108	15	d 1, 2 e	8.71	*09*,09	B
4112	10	d 2, 2 e	8.76	*04*,04	B
4143	11	k 1, 2 l	10.74	03,*02*	B
4143	10	h 1, 3 k	10.37	00,00	B
4181	19	m 2, 1 n	11.57	00,00	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
161. *194929.* RR Sagittarii.					
	m.				
4210	10	p 3	12.40	A	B
4216	11	p 2	12.30	A	B
4224	60	p 3, 3 q	12.22	18,*17*	B
4232	10	p 2	12.30	A	B
4410	10	b 2, 2 c	8.34	04,*04*	B
4426	11	a 2, 1 b	7.99	*09*,09	B
4454	10	d 2, 2 e	8.76	*04*,04	B
4576	11	p 3	12.40	A	B
4587	10	p 4	12.50	A	B
4766	10	d 3, 3 e	8.76	06,*06*	B
4779	11	f 2, 2 g	9.48	02,*03*	B
4795	10	g 2, 2 h	9.96	*11*,11	B
4805	11	h 1, 2 k	10.42	*05*,05	B
4806	10	h 1, 2 k	10.42	*05*,05	B
4823	10	k 1, 2 l	10.74	03,*02*	B
4826	10	l 2, 2 m	11.14	*02*,03	B
4833	10	l 2, 2 m	11.14	*02*,03	B
4854	10	m 3, 2 n	11.57	10,*10*	B
4861	78	m 2	11.57	A	B
4863	26	o 2, 2 p	11.98	09,*08*	B
4891	12	p 4	12.50	A	B
4891	13	p 3	12.40	A	B
4927	60	m 1, N	*11.4*		B
4980	60	k 1, N	*10.7*		B
5148	59	k 1, 2 l	10.74	03,*02*	B
5157	10	m 2, 2n	11.52	05,*05*	B
5164	11	l 2, 2 m	11.14	*02*,03	B
5248	60	p 4, 3 q	12.28	22,*23*	B
5280	10	p 1, N	*12.2*		B
5304	10	n 2, 1 o	11.82	05,*05*	B
5532	10	n 1, 2 o	11.72	05,*05*	B
5533	13	n 1, 2 o	11.72	05,*05*	B
5533	10	n 1, 1 o	11.77	00,00	B
5547	60	p 3	12.40	A	B
5560	60	p 4	12.50	A	B
5589	61	p 4	12.50	A	B
5604	60	p 3	12.40	A	B
5619	10	p 3	12.40	A	B
5621	10	p 1	12.20	A	B
5692	79	b 2, 3 c	8.29	09,*09*	B
5866	10	m 2, 2 n	11.52	05,*05*	B
5869	10	m 2, 2 n	11.52	05,*05*	B
5884	10	o 2, 1 p	12.04	03,*04*	B
5898	10	p 3	12.40	A	B
5898	10	p 2	12.30	A	B
5933	60	p 3	12.40	A	B
5942	60	p 3	12.40	A	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
161. *194929.* RR Sagittarii.					
	m.				
5960	60	o 1, 1 p	11.98	*01*,02	B
5993	122	h 2, 2 k	10.47	00,00	B
5995	320	h 3, 1 k	10.57	00,00	B
6008	60	g 2, 2 h	9.96	*11*,11	B
6009	62	f 2, 1 g	9.52	*02*,03	B
6027	60	a 2, 3 b	7.89	01,*01*	B
6033	60	a 2, 4 b	7.84	06,*06*	B
6033	60	a 3, 3 b	7.94	06,*06*	B
6033	60	a 2, 3 b	7.89	01,*01*	B
6033	10	5 c	8.00	A	Be
6033	10	b 2, 2 c	8.34	04,*04*	B
6034	10	b 2, 2 c	8.34	04,*04*	B
6043	104	a 2, 2 b	7.94	*04*,04	B
6044	60	a 1, 2 b	7.89	*09*,09	B
6045	60	a 2, 3 b	7.89	01,*01*	B
6055	30	a 3, 3 b	7.94	06,*06*	B
6057	52	a 1, 1 b	7.94	*14*,14	B
6060	60	a 1, 2 b	7.89	*09*,09	B
6062	60	a 1, 1 b	7.94	*14*,14	B
6079	60	a 2, 1 b	7.99	*09*,09	B
6093	63	e 2, 2 f	9.15	05,*05*	B
6241	10	p 4	12.50	A	B
6249	10	p 3	12.40	A	B
6267	62	p 3	12.40	A	B
6268	61	p 3	12.40	A	B
6269	60	p 3	12.40	A	B
6275	60	m 3, 2 n	11.57	10,*10*	B
6289	60	m 3, 2 n	11.57	10,*10*	B
6295	60	m 3, 2 n	11.57	10,*10*	B
6297	60	m 3, 2 n	11.57	10,*10*	B
6310	60	l 2, 2 m	11.14	*02*,03	B
6323	60	k 2, 2 l	10.80	07,*08*	B
6327	10	h 2, 2 k	10.47	00,00	B
6331	62	h 2	10.47	A	B
6337	60	g 2, 3 h	9.91	*06*,06	B
6338	63	f 2, 1 g	9.52	*02*,03	B
6340	60	g 2, 3 h	9.91	*06*,06	B
6340	63	g 1, 3 h	9.86	*11*,11	B
6340	61	g 2, 2 h	9.96	*11*,11	B
6340	65	e 4, 1 f	9.30	10,*10*	Be
6341	60	f 2, 2 g	9.48	02,*03*	B
6344	68	d 2, 1 e	8.81	*09*,09	Bde
6344	65	d 3, 3 e	8.76	06,*06*	B
6344	60	c 1, 2 d	8.46	14,*14*	B
6345	65	d 2, 2 e	8.76	*04*,04	B
6347	61	b 1, 2 c	8.29	*01*,01	B
6348	61	a 2, 3 b	7.89	01,*01*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
161. *194929.* RR Sagittarii.					
	m.				
6355	61	a 3, 2 b	7.99	01,*01*	B
6358	12	a 2, 1 b	7.99	*09*,09	B
6359	10	b 2, 3 c	8.29	09,*09*	B
6370	59	A 3, 3 a	7.40	01,00	B
6372	60	A 4, 2 a	7.50	01,00	B
6375	60	A 5, 1 a	7.60	01,00	B
6375	60	a 1, 1 b	7.94	*14*,14	B
6379	60	A 5, 2 a	7.56	05,*06*	B
6396	65	a 2, 3 b	7.89	01,*01*	B
6396	60	2 a	7.50	A	Be
6397	64	a 2, 3 b	7.89	01,*01*	B
6398	71	a 1, 2 b	7.89	*09*,09	B
6398	67	a 1, 2 b	7.89	*09*,09	B
6400	68	a 2, 3 b	7.89	01,*01*	B
6407	72	a 2, 3 b	7.89	01,*01*	B
6408	60	a 1, 3 b	7.84	*04*,04	B
6438	60	e 1, 2 f	9.10	00,00	B
6603	10	p 3	12.40	A	B
6635	10	o 2, 2 p	11.98	09,*09*	B
6640	60	o 2, 2 p	11.98	09,*09*	B
6655	45	m 2, 2 n	11.52	05,*05*	B
6663	14	h 2, 2 k	10.47	00,00	B
6667	61	h 2, 1 k	10.52	*05*,05	B
6669	74	g 2, 2 h	9.96	*11*,11	B
6675	69	g 2	9.85	A	B
6679	67	f 2, 2 g	9.48	02,*03*	B
6682	62	d 3, 2 e	8.81	01,*01*	B
6682	60	d 2, 3 e	8.71	01,*01*	B
6682	62	c 1, 0 d, 4 e	8.57	03,*05*, 03	Bde
6683	61	b 2, 2 c	8.34	04,*04*	B
6684	66	b 2, 2 c	8.34	04,*04*	Bd
6685	61	b 2, 2 c	8.34	04,*04*	B
6694	60	a 2, 2 b	7.94	*04*,04	B
6694	60	a 3, 3 b	7.94	06,*06*	B
6695	60	a 2, 1 b	7.99	*09*,09	B
6698	71	a 1, 2 b	7.89	*09*,09	B
6705	63	a 3, 3 b	7.94	06,*06*	B
6705	60	a 1, 2 b	7.89	*09*,09	B
6711	65	a 1, 3 b	7.84	*04*,04	B
6711	84	a 2, 3 b	7.89	01,*01*	B
6712	65	a 3, 3 b	7.94	06,*06*	B
6719	61	a 1, 2 b	7.89	*09*,09	B
6724	60	a 3, 3 b	7.94	06,*06*	B
6724	60	a 2, 3 b	7.89	01,*01*	B
6725	63	a 2, 2 b	7.94	*04*,04	B
6727	63	a 2, 3 b	7.89	01,*01*	B
6728	54	a 3, 3 b	7.94	06,*06*	B
6739	58	a 3, 2 b	7.99	01,*01*	B
6741	61	a 2, 1 b	7.99	*09*,09	B
6743	63	a 2, 2 b	7.94	*04*,04	B
6745	61	a 2, 2 b	7.94	*04*,04	B
6752	60	b 3, 2 c	8.39	09,*09*	B
6753	60	b 2, 2 c	8.34	04,*04*	B
6753	60	b 2, 2 c	8.34	04,*04*	B
6753	60	b 2, 2 c	8.34	04,*04*	Be
6755	77	b 2, 2 c	8.34	04,*04*	B
6755	38	b 2, 3 c	8.29	09,*09*	B
6755	60	b 1, 2 c	8.29	*01*,01	B
6759	60	b 1, 2 c	8.29	*01*,01	B
6760	66	b 1, 2 c	8.29	*01*,01	B
6761	60	b 1, 2 c	8.29	*01*,01	B
6765	67	d 1, 3 e	8.66	*04*,04	B
6765	63	d 2, 2 e	8.76	*04*,04	B
6766	60	e 2, 3 f	9.10	10,*10*	B
6766	60	d 2, 3 e	8.71	01,*01*	B
6766	60	d 1, 2 e	8.71	*09*,09	B
6782	72	g 1, 3 h	9.86	*11*,11	B
6787	72	f 2, 1 g	9.52	*02*,03	B
6802	68	h 1, 1 k	10.47	*10*,10	B
6957	11	n 1, 1 o	11.77	00,00	B
6992	62	n 2	11.87	A	B
7000	61	h 2, 1 k	10.52	*05*,05	B
7001	60	k 2, 1 l	10.84	03,*02*	Bde
7004	61	k 1, 2 l	10.74	03,*02*	B
7007	63	h 1, 2 k	10.42	*05*,05	B
7007	62	h 2, 2 k	10.47	00,00	B
7009	10	g 2, 2 h	9.96	*11*,11	B
7010	13	3 h	10.37	A	Bde
7010	59	g 3, 2 h	10.01	*06*,06	B
7017	61	d 3, 2 e	8.81	01,*01*	B
7018	61	d 3, 2 e	8.81	01,*01*	B
7019	67	d 2, 2 e	8.76	*04*,04	B
7025	62	b 2, 2 c	8.34	04,*04*	B
7028	63	a 2, 2 b	7.94	*04*,04	B
7034	60	a 2, 3 b	7.89	01,*01*	B
7038	60	a 2, 3 b	7.89	01,*01*	B
7038	60	a 2, 3 b	7.89	01,*01*	B
7038	10	a 2, 1 b	7.99	*09*,09	B
7038	10	a 1, 2 b	7.89	*09*,09	B
7039	60	a 2, 3 b	7.89	01,*01*	B
7039	60	a 3, 3 b	7.94	06,*06*	B
7048	62	a 3, 3 b	7.94	06,*06*	B
7049	60	a 1, 2 b	7.89	*09*,09	B
7051	60	a 2, 3 b	7.89	01,*01*	B
7051	48	b 1, 2 c	8.29	*01*,01	B
7052	62	a 2, 2 b	7.94	*04*,04	B
7053	66	a 2, 2 b	7.94	*04*,04	B
7060	60	a 3, 3 b	7.94	06,*06*	B
7065	61	a 3, 3 b	7.94	06,*06*	B
7066	61	a 3, 3 b	7.94	06,*06*	B
7068	60	a 3, 3 b	7.94	06,*06*	B
7068	60	a 3, 3 b	7.94	06,*06*	B
7075	61	a 2, 2 b	7.94	*04*,04	B
7076	68	b 1, 2 c	8.29	*01*,01	B
7077	60	a 2, 1 b	7.99	*09*,09	B
7084	67	b 1, 2 c	8.29	*01*,01	B
7084	65	a 3, 1 b	8.04	*04*,04	B
7089	60	a 3, 2 b	7.99	01,*01*	B
7090	*120*	b 2, 2 c	8.34	04,*04*	B
7094	60	b 2, 2 c	8.34	04,*04*	B
7096	64	c 1, 1 d	8.51	09,*09*	B
7105	60	b 2, 1 c	8.39	*01*,01	B
7105	60	d 2, 1 e	8.81	*09*,09	B
7107	60	d 2, 2 e	8.76	*04*,04	B
7107	60	d 2, 2 e	8.76	*04*,04	B
7110	60	d 2, 2 e	8.76	*04*,04	B
7121	11	f 2	9.50	A	Be
7121	60	e 2, 2 f	9.15	05,*05*	B
7121	60	e 1, 2 f	9.10	00,00	B
7124	60	g 2, 2 h	9.96	*11*,11	B
7128	57	g 1, 2 h	9.91	*16*,16	B
7128	62	g 2, 3 h	9.91	*06*,06	B
7128	12	g 2, 2 h	9.96	*11*,11	B
7135	10	f 3	9.30	A	Be
7135	60	g 2, 3 h	9.91	*06*,06	B
7174	62	h 2, 1 k	10.52	*05*,05	B
162. *195142.* RU Sagittarii.					
	m.				
1171	10	c 1, 2 e	8.58	*13*,12	B
1171	7	c 1, 2 e	8.58	*13*,12	B
1175	60	e 1, 1 f	9.09	*09*,09	B
1189	60	f 1, 2 g	9.40	*02*,03	B
1283	12	l 2, N	*11.8*		B
1509	60	n 2, 1 o	12.62	*03*,02	B
1870	10	a 4, 3 b	7.89	*06*,06	B
1883	10	a 2, 2 b	7.84	*21*,21	B
1883	10	a 2, 1 b	7.89	*26*,26	B
1886	10	a 3, 1 b	7.94	*21*,21	Bd

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
162. *195142.* RU SAGITTARII.						162. *195142.* RU SAGITTARII.						162. *195142.* RU SAGITTARII.					
	m.						m.						m.				
1886	10	a 2, 2 b	7.84	*21*,21	B	3378	11	g 3, 2 h	10.10	*17*,18	B	3891	30	l 3, 2 m	11.90	06,*06*	B
1946	11	k 2, 3 l	11.21	*15*,15	B	3385	10	h 2, 2 k	10.67	01,*01*	B	3996	10	c 2, 1 e	8.68	*13*,12	B
1946	10	k 3, 4 l	11.21	*05*,05	B	3426	12	l 2, 3 m	11.80	06,*06*	B	3997	24	b 2, 1 c	8.35	10,*10*	Bd
1956	10	k 3, 1 l	11.36	*20*,20	B	3426	10	l 3, 2 m	11.90	06,*06*	B	4024	12	b 1, 2 c	8.25	10,*10*	B
2208	10	l 2, 1 m	11.90	*04*,04	B	3442	11	m 2, 1 n	12.26	*02*,03	B	4024	11	a 3, 2 b	7.89	*16*,16	B
2210	60	m 3, 3 n	12.22	12,*13*	B	3442	10	n 2, 2 o	12.56	03,*02*	B	4057	11	c 1, 2 e	8.58	*13*,12	B
2310	*62*	f 1, 2 g	9.40	*02*,03	B	3482	10	k 3, 2 l	11.31	*15*,15	B	4057	13	e 1, 2 f	9.04	*04*,04	B
2378	13	e 1, 2 f	9.04	*04*,04	B	3498	10	h 3, 2 k	10.72	06,*06*	B	4057	10	e 1, 2 f	9.04	*04*,04	B
2582	10	a 1, 2 b	7.79	*26*,26	B	3499	10	h 3, 2 k	10.72	06,*06*	B	4071	10	e 3, 1 f	9.19	01,*01*	B
2582	10	a 1, 3 b	7.74	*21*,21	B	3499	11	h 2, 3 k	10.62	06,*06*	B	4071	10	f 3, 2 g	9.50	08,*07*	B
2627	*63*	e 3, 2 f	9.14	06,*06*	Be	3658	10	m 1, 1 n	12.22	*08*,07	B	4071	10	f 2, 2 g	9.46	02,*03*	B
2631	*61*	f 2, 2 g	9.46	02,*03*	B	3661	30	m 2, 1 n	12.26	*02*,03	B	4077	10	f 3, 2 g	9.50	08,*07*	B
2637	*60*	f 1	9.38	A	B	3689	27	m 3, 1 n	12.32	02,*03*	B	4085	15	f 2, 1 g	9.50	*02*,03	B
2639	10	f 3, 2 g	9.50	08,*07*	B	3694	31	m 3, 2 n	12.26	08,*07*	B	4085	10	f 2, 1 g	9.50	*02*,03	B
2642	10	f 3, 1 g	9.56	02,*03*	B	3715	30	k 2, 1 l	11.31	*25*,25	B	4085	12	f 3, 2 g	9.50	08,*07*	B
2642	10	f 2, 1 g	9.50	*02*,03	B	3716	10	l 1, 2 m	11.80	*04*,04	B	4086	10	f 3, 3 g	9.46	12,*13*	B
2642	10	f 2, 1 g	9.50	*02*,03	B	3716	13	l 1	11.76	A	B	4086	10	f 2, 2 g	9.46	02,*03*	B
2666	10	k 1, 3 l	11.16	*20*,20	B	3728	32	k 2, 2 l	11.26	*20*,20	B	4099	10	g 3, 3 h	10.06	*13*,12	B
2669	10	k 1, 2 l	11.21	*25*,25	B	3730	11	k 2, 2 l	11.26	*20*,20	B	4107	10	h 1, 2 k	10.62	*04*,04	B
2669	10	h 3, 2 k	10.72	06,*06*	B	"	"	k 1, 3 l	11.16	*20*,20	B	4107	10	h 3, 3 k	10.67	11,*11*	B
2760	10	l 1, 2 m	11.80	*04*,04	B	3740	10	h 1, 2 k	10.62	*04*,04	B	4107	10	h 1, 3 k	10.57	01,*01*	B
2760	10	l 1, 2 m	11.80	*04*,04	B	3742	30	g 2, 1 h	10.10	*27*,28	B	4143	10	l 2, 2 m	11.85	01,*01*	B
2785	10	h 1, 2 k	10.62	*04*,04	B	3744	12	f 3, 1 g	9.56	02,*03*	B	4181	10	m 2, 1 n	12.26	*02*,03	B
2785	10	g 3, 2 h	10.10	*17*,18	B	"	"	g 1, 3 h	9.96	*23*,22	B	4182	26	l 2, 2 m	11.85	01,*01*	B
2949	10	l 2, 2 m	11.85	01,*01*	B	3744	10	g 3, 3 h	10.06	*13*,12	B	4182	24	l 2, 2 m	11.85	01,*01*	B
3031	11	f 2, 1 g	9.50	*02*,03	B	3744	10	g 3, 2 h	10.10	*17*,18	B	4196	*60*	h 1, 1 k	10.67	*09*,09	B
3031	30	f 1, 3 g	9.36	02,*03*	B	3759	33	f 2, 2 g	9.46	02,*03*	B	4210	10	h 1, 3 k	10.57	01,*01*	B
3040	10	c 2, 1 e	8.68	*13*,12	B	3759	12	e 2, 1 f	9.14	*04*,04	B	4226	10	f 2, 1 g	9.50	*02*,03	B
3048	10	b 1, 2 c	8.25	10,*10*	B	3759	20	f 3, 2 g	9.50	08,*07*	B	4232	10	c 1, 1 e	8.62	*17*,18	B
3062	31	a 2, 2 b	7.84	*21*,21	B	3779	30	a 2, 1 b	7.89	*26*,26	B	4239	10	c 2, 2 e	8.62	*07*,08	B
3062	31	b 1, 1 c	8.30	05,*05*	B	"	"	b 1, 2 c	8.25	10,*10*	B	4261	10	a 1, 2 b	7.79	*26*,26	B
3072	*60*	b 1, 1 c	8.30	05,*05*	B	3786	15	c 1, 2 e	8.58	*13*,12	B	4410	10	m 2	12.24	A	B
3143	14	g 3, 2 h	10.10	*17*,18	B	3786	28	b 1, 2 c	8.25	10,*10*	Bd	4426	13	l 3, 2 m	11.90	06,*06*	B
3279	32	a 5, 2 b	7.99	*06*,06	B	3797	22	c 1, 2 e	8.58	*13*,12	B	4435	12	l 1, 3 m	11.75	01,*01*	Bd
3290	30	a 1, 2 b	7.79	*26*,26	B	3797	20	e 1, 2 f	9.04	*04*,04	B	4435	14	l 1, 2 m	11.80	*04*,04	B
3294	30	a 1, 2 b	7.79	*26*,26	B	3803	12	c 2, 2 e	8.62	*07*,08	B	4435	11	l 2, 2 m	11.85	01,*01*	B
3313	10	a 1, 2 b	7.79	*26*,26	B	3803	*60*	c 2, 1 e	8.68	*13*,12	B	4448	12	h 3, 2 k	10.72	06,*06*	B
3323	10	b 1, 2 c	8.25	10,*10*	B	3808	16	e 2, 1 f	9.14	*04*,04	B	4448	11	h 2, 1 k	10.72	*04*,04	B
3324	10	a 1, 2 b	7.79	*26*,26	B	3831	10	f 3, 2 g	9.50	08,*07*	B	4448	11	k 1, 2 l	11.21	*25*,25	B
3346	11	d 2, 2 e	8.72	03,*02*	Be	3831	11	f 3, 1 g	9.56	02,*03*	B	4451	11	h 3, 2 k	10.72	06,*06*	B
3348	11	c 1, 2 e	8.58	*13*,12	B	3833	30	g 1, 3 h	9.96	*23*,22	B	4461	14	f 3, 2 g	9.50	08,*07*	B
3348	10	c 2, 1 e	8.68	*13*,12	Bd	3839	14	g 3, 3 h	10.06	*13*,12	B	"	"	g 2, 3 h	10.00	*17*,18	B
3349	10	f 2, 3 g	9.40	08,*07*	B	3846	22	g 3, 3 h	10.06	*13*,12	B	4461	10	g 3, 2 h	10.10	*17*,18	B
3351	10	e 3, 2 f	9.14	06,*06*	B	3860	15	h 3, 2 k	10.72	06,*06*	B	4461	11	g 3, 3 h	10.06	*13*,12	B
3362	*60*	f 2, 1 g	9.50	*02*,03	B	3860	15	h 2, 1 k	10.72	*04*,04	B	4576	10	h 2, 2 k	10.67	01,*01*	B
3377	10	h 1, 2 k	10.62	*04*,04	B	3861	17	h 3, 1 k	10.77	01,*01*	B	4585	10	h 2, 1 k	10.72	*04*,04	B
3377	10	h 2, 2 k	10.67	01,*01*	B	3875	10	k 3, 2 l	11.31	*15*,15	B	4753	10	b 2, 2 c	8.30	15,*15*	B

162. *195142.* RU SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4795	10	f 3, 2 g	9.50	08,*07*	B
4805	10	g 3, 3 h	10.06	*13*,12	B
4823	11	h 1, 2 k	10.62	*04*,04	B
4854	10	k 2, 1 l	11.31	*25*,25	B
4861	78	k 2	11.06	A	B
4881	10	m 1, 2 n	12.16	*02*,03	B
4882	10	m 1, 2 n	12.16	*02*,03	B
4882	10	l 2, 1 m	11.90	*04*,04	B
4884	10	l 3, 2 m	11.90	06,*06*	B
4891	64	m 1	12.14	A	B
4938	70	h 1, 3 k	10.57	01,*01*	B
4942	84	g 3, 3 h	10.06	*13*,12	B
4942	10	2 h	10.28	A	Be
4953	63	f 3, 3 g	9.46	12,*13*	B
4954	68	e 3, 2 f	9.14	06,*06*	B
4980	60	a 3, 2 b	7.89	*16*,16	B
5147	*60*	l 1, N	*11.7*		B
5148	59	l 1, N	*11.7*		B
5164	10	k 2, 2 l	11.26	*20*,20	B
5198	72	e 3, 3 f	9.09	11,*11*	B
5203	60	e 2, 1 f	9.14	*04*,04	B
5222	62	a 3, 2 b	7.89	*16*,16	B
5222	65	a 3, 2 b	7.89	*16*,16	B
5224	60	b 1, 2 c	8.25	10,*10*	B
5231	68	a 1, 2 b	7.79	*26*,26	Bi
5234	62	a 2, 3 b	7.79	*16*,16	Bi
5234	61	a 1, 2 b	7.79	*26*,26	Bi
5261	60	b 1, 1 c	8.30	05,*05*	B
5263	60	c 2, 1 e	8.68	*13*,12	B
5264	70	c 2, 1 e	8.68	*13*,12	B
5267	81	e 2, 3 f	9.04	06,*06*	B
5275	11	3 g	9.33	A	Be
5275	10	e 2, 2 f	9.09	01,*01*	B
5275	60	f 3, 3 g	9.46	12,*13*	B
5276	63	f 1, 2 g	9.40	*02*,03	B
5280	68	f 2, 3 g	9.40	08,*07*	Bi
5280	10	f 2, 2 g	9.46	02,*03*	B
5282	63	f 3, 3 g	9.46	12,*13*	B
5283	67	g 3, 4 h	10.00	*07*,08	B
5526	61	g 2, 3 h	10.00	*17*,18	B
5532	60	g 3, 3 h	10.06	*13*,12	B
5533	61	g 3, 2 h	10.10	*17*,18	B
5533	60	g 3, 3 h	10.06	*13*,12	B
5534	10	g 3, 2 h	10.10	*17*,18	B
5534	10	g 3, 2 h	10.10	*17*,18	B
5541	62	g 3, 2 h	10.10	*17*,18	B
5542	61	h 1, 3 k	10.57	01,*01*	B
5543	60	h 1, 2 k	10.62	*04*,04	B
5548	60	h 2, 2 k	10.67	01,*01*	B
5557	60	h 3, 2 k	10.72	06,*06*	B
5560	60	h 3, 2 k	10.72	06,*06*	B
5571	62	k 2	11.06	A	B
5588	60	l 3, 2 m	11.90	06,*06*	B
5605	60	m 2, 2 n	12.22	02,*03*	B
5619	10	m 2, 1 n	12.26	*02*,03	B
5659	70	k 3	11.16	A	B
5666	60	h 3	10.78	A	B
5668	68	h 1, 2 k	10.62	*04*,04	B
5869	10	l 2, 2 m	11.85	01,*01*	B
5887	60	k 3, 2 l	11.31	*15*,15	B
5898	10	k 2, 2 l	11.26	*20*,20	B
5911	62	h 3, 3 k	10.67	11,*11*	B
5912	60	h 3, 2 k	10.72	06,*06*	B
5913	60	h 3, 3 k	10.67	11,*11*	B
5913	60	g 2, 1 h	10.10	*27*,28	B
5914	65	h 1	10.58	A	B
5915	60	h 1, 3 k	10.57	01,*01*	B
5926	60	f 2, 1 g	9.50	*02*,03	Bd
5926	60	f 2, 2 g	9.46	02,*03*	B
5933	60	f 2, 3 g	9.40	08,*07*	B
5933	60	f 1, 3 g	9.36	02,*03*	B
5938	62	e 2, 1 f	9.14	*04*,04	B
5940	60	c 1, 1 e	8.62	*17*,18	B
5941	60	e 2, 3 f	9.04	06,*06*	B
5943	61	e 1; 2 f	9.04	*04*,04	B
5943	60	c 2, 2 e	8.62	*07*,08	B
5943	61	c 1, 2 e	8.58	*13*,12	B
5945	10	c 1, 2 e	8.58	*13*,12	B
5945	60	c 2, 1 e	8.68	*13*,12	B
5971	60	a 2, 1 b	7.89	*26*,26	B
5973	73	a 2, 2 b	7.84	*21*,21	B
6008	60	f 2, 3 g	9.40	08,*07*	B
6009	62	e 2, 2 f	9.09	01,*01*	B
6010	60	e 1	9.00	A	B
6018	60	e 2, 2 f	9.09	01,*01*	B
6032	10	g 2, 2 h	10.06	*23*,22	B
6033	60	g 4, 3 h	10.10	*07*,08	B
6033	60	g 2, 3 h	10.00	*17*,18	B
6044	60	g 3, 1 h	10.16	*23*,22	B
6061	60	h 1, 1 k	10.67	*09*,09	B
6208	60	a 2, 1 b	7.89	*26*,26	B
6226	60	a 2, 1 b	7.89	*26*,26	B
6239	61	b 1, 2 c	8.25	10,*10*	B
6241	60	c 1, 2 e	8.58	*13*,12	B
6241	10	a 2, 1 b	7.89	*26*,26	B
6242	63	c 2, 2 e	8.62	*07*,08	B
6249	61	e 1, 2 f	9.04	*04*,04	B
6253	60	c 2, 1 e	8.68	*13*,12	B
6267	60	f 3, 2 g	9.50	08,*07*	B
6268	60	f 3, 1 g	9.56	02,*03*	B
6270	60	g 3, 3 h	10.06	*13*,12	B
6272	62	g 2, 3 h	10.00	*17*,18	B
6283	61	h 1, 3 k	10.57	01,*01*	B
6288	60	h 2	10.68	A	B
6288	60	h 2, 2 k	10.67	01,*01*	B
6310	60	l 1	11.76	A	Bd
6310	10	l 2, 1 m	11.90	*04*,04	Be
6327	10	m 1, 2 n	12.16	*02*,03	B
6341	48	n 2, 1 o	12.62	*03*,02	B
6359	10	n 2, 2 o	12.56	03,*02*	B
6376	60	m 1, 3 n	12.12	02,*03*	B
6376	60	m 1, 2 n	12.16	*02*,03	B
6397	64	k 3, 2 l	11.31	*15*,15	B
6398	71	k 3, 3 l	11.26	*10*,10	B
6408	60	h 2, 2 k	10.67	01,*01*	B
6438	60	c 1, 2 e	8.58	*13*,12	B
6438	60	b 1, 2 c	8.25	10,*10*	B
6461	62	c 1, 2 e	8.58	*13*,12	B
6603	10	m 2, 1 n	12.26	*02*,03	B
6626	10	l 1, 3 m	11.75	01,*01*	B
6634	60	k 3, 2 l	11.31	*15*,15	B
6635	60	k 2	11.06	A	B
6639	67	k 1	10.96	A	B
6647	60	h 1, 3 k	10.57	01,*01*	B
6655	60	f 2, 2 g	9.46	02,*03*	B
6655	60	f 2, 2 g	9.46	02,*03*	B
6655	60	f 2, 2 g	9.46	02,*03*	Bd
6663	10	2 b	8.05	A	Be
6667	64	a 2, 1 b	7.89	*26*,26	B
6667	61	b 1, 2 c	8.25	10,*10*	B
6668	61	b 1, 2 c	8.25	10,*10*	B
6682	62	a 1, 2 b	7.79	*26*,26	B
6682	60	b 1, 2 c	8.25	10,*10*	B
6684	66	a 2, 2 b	7.84	*21*,21	B
6684	60	a 1, 2 b	7.79	*26*,26	B
6685	61	b 1, 2 c	8.25	10,*10*	B
6692	63	a 2, 1 b	7.89	*26*,26	B
6692	15	a 1, 2 b	7.79	*26*,26	B
6692	4	a 1, 2 b	7.79	*26*,26	B
6692	13	a 1, 2 b	7.79	*26*,26	B
6694	61	a 1, 2 b	7.79	*26*,26	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
162. *195142.* RU Sagittarii.						162. *195142.* RU Sagittarii.						163. *195308.* RS Aquilae.					
	m.						m.						m.				
6694	60	a 2, 2 b	7.84	*21*,21	B	7010	60	h 1	10.58	A	B	3689	18	n 2, N	*12.3*		B
6698	71	b 1, 2 c	8.25	10,*10*	B	7017	61	h 3, 3 k	10.67	11,*11*	B	3715	16	l 2, 3 m	11.57	*01*,01	B
6698	60	a 3, 2 b	7.89	*16*,16	B	7017	11	k 2, 3 l	11.21	*15*,15	B	3721	24	k 3, 3 l	11.06	00,00	B
6705	63	a 2, 2 b	7.84	*21*,21	B	7018	60	k 1	10.96	A	B	3730	13	k 2, 3 l	11.01	*05*,05	B
6705	60	a 2, 2 b	7.84	*21*,21	B	7019	67	h 3, 1 k	10.77	01,*01*	B	3742	12	h 2, 2 k	10.54	*03*,02	B
6711	65	b 1, 2 c	8.25	10,*10*	B	7028	63	k 3, 1 l	11.36	*20*,20	B	3744	10	h 3, 3 k	10.54	07,*08*	B
6713	61	c 1, 2 e	8.58	*13*,12	B	7038	60	l 1	11.76	A	B	3759	13	g 2, 3 h	10.07	06,*06*	B
6715	63	b 1, 1 c	8.30	05,*05*	B	7038	12	l 3, 3 m	11.85	11,*11*	B	3786	20	g 2, 1 h	10.17	*04*,04	B
6724	60	b 2, 1 c	8.35	10,*10*	B	7039	10	l 3, 2 m	11.90	06,*06*	Bd	3791	12	h 3, 2 k	10.58	03,*02*	B
6725	63	b 1, 2 c	8.25	10,*10*	B	7051	60	l 1	11.76	A	B	3804	14	h 2, 1 k	10.58	*07*,08	B
6726	60	c 2, 1 e	8.68	*13*,12	B	7075	61	m 1	12.14	A	B	3806	20	h 3, 2 k	10.58	03,*02*	B
6727	63	c 1, 1 e	8.62	*17*,18	B	7080	10	n 1, N	*12.4*		B	3807	10	h 3, 3 k	10.54	07,*08*	B
6743	63	f 2, 3 g	9.40	08,*07*	B	7105	60	m 2, N	*12.2*		B	3826	10	k 1, 2 l	11.01	*15*,15	B
6745	61	f 3, 2 g	9.50	08,*07*	B	7121	60	m 1	12.14	A	B	3833	10	k 3, 3 l	11.06	00,00	B
6745	60	f 1, 3 g	9.36	02,*03*	B	7125	13	l 1, 2 m	11.80	*04*,04	B	3839	16	k 3, 2 l	11.11	*05*,05	B
6752	60	f 3, 2 g	9.50	08,*07*	B	7128	62	h 3, 2 k	10.72	06,*06*	B	3849	10	m 1, 1 n	12.03	*05*,05	B
6753	60	g 2, 3 h	10.00	*17*,18	B	7135	10	k 2, 3 l	11.21	*15*,15	B	3866	10	n 1, N	*12.2*		B
6755	60	f 2, 1 g	9.50	*02*,03	B	7163	60	e 1, 2 f	9.04	*04*,04	B	3889	12	n 1, N	*12.2*		B
6759	60	g 3, 3 h	10.06	*13*,12	B	7163	69	e 2, 2 f	9.09	01,*01*	B	3997	11	n 1, N	*12.2*		B
6761	60	g 3, 3 h	10.06	*13*,12	B	7174	62	c 1, 1 e	8.62	*17*,18	B	4021	11	m 2, N	*12.0*		B
6765	67	g 3, 3 h	10.06	*13*,12	B							4057	14	m 1, N	*11.9*		B
6766	60	h 1, 3 k	10.57	01,*01*	B	163. *195308.* RS Aquilae.						4077	10	n 2, N	*12.3*		B
6766	60	g 3, 2 h	10.10	*17*,18	B							4097	11	m 1, 2 n	11.98	00,00	B
6787	72	k 3, 3 l	11.26	*10*,10	B		m.					4112	10	l 1, 1 m	11.62	*16*,16	B
6790	44	l 1, 2 m	11.80	*04*,04	B	0945	15	h 4, 2 k	10.64	07,*06*	F	4158	34	f 2, 1 g	9.86	02,*03*	B
6933	62	a 2, 2 b	7.84	*21*,21	B	0949	15	h 5, 1 k	10.74	07,*08*	F	4170	13	f 1, 2 g	9.76	02,*03*	B
6938	60	a 3, 2 b	7.89	*16*,16	B	1583	10	l 2, N	*11.5*		B	4182	20	f 2, 2 g	9.80	08,*07*	B
6957	61	b 1, 2 c	8.25	10,*10*	B	1610	22	l 1, N	*11.4*		B	4182	12	f 2, 1 g	9.86	02,*03*	B
6957	10	c 2, 1 e	8.68	*13*,12	Be	1870	10	l 2, N	*11.5*		F	4183	10	f 2, 2 g	9.80	08,*07*	B
6962	65	c 2, 2 e	8.62	*07*,08	B	1946	10	h 4, N	*10.7*		F	4210	10	g 3, 2 h	10.17	06,*06*	B
6964	65	c 1, 2 e	8.58	*13*,12	B	1986	17	k 2, N	*10.9*		B	4226	10	g 3, 2 h	10.17	06,*06*	B
6968	60	c 1, 2 e	8.58	*13*,12	B	2236	10	l 2, N	*11.5*		B	4232	10	h 1, 2 k	10.48	*07*,08	B
6975	60	c 2, 1 e	8.68	*13*,12	B	2307	33	m 1, N	*11.9*		B	4233	10	h 3, 2 k	10.58	03,*02*	B
6976	61	e 3, 2 f	9.14	06,*06*	Be	2369	12	m 1, N	*11.9*		B	4247	10	k 2, 3 l	11.01	*05*,05	B
6977	67	c 1, 2 e	8.58	*13*,12	B	2666	10	n 1, N	*12.2*		F	4426	10	n 2, N	*12.3*		B
6979	61	f 2, 2 g	9.46	02,*03*	B	2667	12	n 1, N	*12.2*		F	4546	10	l 1, N	*11.4*		B
6979	63	e 1, 2 f	9.04	*04*,04	B	2757	10	m 3, N	*12.1*		B	4546	13	k 3, 3 l	11.06	00,00	B
6981	11	e 2, 1 f	9.14	*04*,04	B	2993	22	k 2, 2 l	11.06	*10*,10	B	4566	72	g 2, 1 h	10.17	*04*,04	B
6988	60	f 3, 2 g	9.50	08,*07*	B	3119	13	n 1, N	*12.2*		B	4605	10	g 3, 2 h	10.17	06,*06*	B
6992	62	g 2, 3 h	10.00	*17*,18	B	3149	10	n 1, N	*12.2*		B	4795	11	n 2, N	*12.3*		B
6999	59	g 3, 3 h	10.06	*13*,12	B	3346	10	g 2, 4 h	10.02	11,*11*	F	4826	15	n 1, N	*12.2*		B
7001	62	g 3, 3 h	10.06	*13*,12	B	3348	10	g 2, 4 h	10.02	11,*11*	F	4891	10	n 2, N	*12.3*		B
7004	61	h 1, 3 k	10.57	01,*01*	B	3349	10	g 2, 4 h	10.02	11,*11*	F	5157	10	l 2, N	*11.5*		Bdp
7004	60	h 1	10.58	A	B	3356	10	g 2, 2 h	10.12	01,*01*	B	5210	16	n 2, N	*12.3*		B
7006	65	h 1	10.58	A	B	3377	10	g 2, 2 h	10.12	01,*01*	Be	5251	60	n 2, N	*12.3*		B
7007	63	h 2, 3 k	10.62	06,*06*	B	3425	18	h 3, 2 k	10.58	03,*02*	B	5310	29	l 1, 2 m	11.57	*11*,11	B
7009	10	g 3, 2 h	10.10	*17*,18	B	3650	10	n 1, N	*12.2*		B	5336	10	k 2, N	*10.9*		B

163. *195308.* RS AQUILAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5474	11	h 2, 2 k	10.54	*03*,02	B
5534	10	l 1, N	*11.4*		B
5591	68	l 1, N	*11.4*		B
5632	61	n 1, N	*12.2*		B
5636	41	n 2, N	*12.3*		B
5665	10	m 1, N	*11.9*		B
5692	61	l 2, N	*11.5*		B
5719	91	l 2, N	*11.5*		B
5868	10	k 2, 3 l	11.01	*05*,05	B
5898	10	l 1, 2 m	11.57	*11*,11	B
5898	10	k 2, 2 l	11.06	*10*,10	B
5927	10	l 2, N	*11.5*		B
5943	60	l 1, N	*11.4*		B
5966	723	k 1, 2 l	11.01	*15*,15	Br
5995	320	m 1, N	*11.9*		B
6043	80	l 2, N	*11.5*		B
6226	62	f 2, 2 g	9.80	08,*07*	B
6241	60	e 1, 2 f	9.47	*01*,01	B
6241	10	e 2, 2 f	9.52	04,*04*	B
6249	10	g 1, 2 h	10.07	*04*,04	B
6253	60	f 2, 2 g	9.80	08,*07*	B
6258	61	h 2, 1 k	10.58	*07*,08	Br
6258	60	g 1, 3 h	10.02	01,*01*	B
6265	77	k 1, N	*10.8*		B
6268	63	k 2	10.96	A	Bd
6281	60	h 2, 2 k	10.54	*03*,02	B
6310	60	k 3, 2 l	11.11	*05*,05	B
6310	12	k 3, 2 l	11.11	*05*,05	B
6311	60	k 3, 2 l	11.11	*05*,05	B
6324	60	l 1, 1 m	11.62	*16*,16	B
6358	12	n 2, 1 o^1	12.40	*02*,03	B
6408	60	p^1 2, 1 q	13.03	00,00	B
6603	10	l 1, 2 m	11.57	*11*,11	B
6604	10	l 1, 1 m	11.62	*16*,16	B
6620	61	h 2, 2 k	10.54	*03*,02	B
6635	60	g 3, 2 h	10.17	06,*06*	B
6635	10	g 2, 2 h	10.12	01,*01*	B
6636	37	g 3, 2 h	10.17	06,*06*	B
6639	66	g 3, 2 h	10.17	06,*06*	B
6639	60	g 3, 2 h	10.17	06,*06*	B
6641	69	h 1, 2 k	10.48	*07*,08	B
6649	65	h 2, 1 k	10.58	*07*,08	B
6650	14	g 3, 2 h	10.17	06,*06*	B
6653	12	g 3, 1 h	10.22	01,*01*	B
6667	60	g 3, 2 h	10.17	06,*06*	B
6682	62	h 3, 2 k	10.58	03,*02*	B
6683	10	h 3, 2 k	10.58	03,*02*	B
6684	68	k 2, 3 l	11.01	*05*,05	B
6692	12	k 1, 2 l	11.01	*15*,15	B
6694	10	k 2, 3 l	11.01	*05*,05	B
6711	11	k 3, 3 l	11.06	00,00	B
6760	66	k 2, N	*10.9*		B
6761	72	k 2, N	*10.9*		B
6811	52	k 1, N	*10.8*		B
6824	79	k 1, N	*10.8*		B
6991	10	n 2, N	*12.3*		B
6992	12	m 1, N	*11.9*		B
7019	61	l 1, 2 m	11.57	*11*,11	B
7038	60	k 2, 3 l	11.01	*05*,05	B
7039	10	h 2, 2 k	10.54	*03*,02	B
7048	62	g 2, 1 h	10.17	*04*,04	B
7049	60	g 3, 3 h	10.12	11,*11*	B
7052	62	g 2, 1 h	10.17	*04*,04	B
7053	65	g 3, 3 h	10.12	11,*11*	B
7053	66	h 3	10.61	A	B
7053	60	h 3	10.61	A	B
7060	60	h 1, 1 k	10.54	*13*,12	B
7061	80	g 3, 1 h	10.22	01,*01*	B
7066	61	g 3, 3 h	10.12	11,*11*	B
7066	11	g 2, 3 h	10.07	06,*06*	B
7075	61	g 3, 2 h	10.17	06,*06*	B
7076	68	h 2, 3 k	10.48	03,*02*	B
7079	63	h 2, 1 k	10.58	*07*,08	Bd
7090	240	k 1, 1 l	11.06	*20*,20	B
"	"	h 2, 1 k	10.58	*07*,08	B
7095	60	h 3, 2 k	10.58	03,*02*	B
7096	10	h 3, 2 k	10.58	03,*02*	B
7109	480	h 2, 1 k	10.58	*07*,08	Ber
7111	*70*	h 2, 1 k	10.58	*07*,08	B
7111	72	k 1	10.86	A	B
7111	240	h 1, 1 k	10.54	*13*,12	B
7114	480	h 1, 2 k	10.48	*07*,08	Br

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1585	28	u 2, N	*12.4*		B
1994	21	m 1, 2 n	10.18	04,*04*	B
2343	14	r 1, 2 s	11.48	*06*,06	B
2347	15	o 2, 2 p	10.83	11,*11*	B
2348	12	o 1, 2 p	10.78	06,*06*	B
2354	10	n 2, 2 o	10.54	00,00	B
2358	10	n 2, 2 o	10.54	00,00	B
2360	12	l 1, 1 m	10.03	01,*01*	B
2368	10	l 2, 1 m	10.08	06,*06*	B
2678	11	t 1, N	*12.1*		B
2709	15	r 3, 2 s	11.58	04,*04*	B
2727	18	m 1, 1 n	10.23	*01*,01	B
2757	10	l 2, 2 m	10.03	11,*11*	B
3018	*68*	r 1, N	*11.4*		B
3130	67	n 1, 1 o	10.54	*10*,10	B
3768	11	t 2, N	*12.2*		B
3807	13	r 2, 3 s	11.48	04,*04*	B
3826	10	n 2, 2 o	10.54	00,00	B
3829	10	n 2, 2 o	10.54	00,00	Bd
3829	12	o 2, 3 p	10.78	16,*16*	B
3840	10	n 2, 1 o	10.59	*05*,05	B
3840	60	l 2, 1 m	10.08	06,*06*	B
3841	14	o 1, 2 p	10.78	06,*06*	B
3842	11	n 3, 2 o	10.59	05,*05*	B
3857	10	q 1, 2 r	11.14	03,*02*	B
3859	*68*	r 1, N	*11.4*		B
4150	10	n 3, 2 o	10.59	05,*05*	B
4150	12	n 2, 2 o	10.54	00,00	B
4170	14	h 1, 1 k	9.70	06,*06*	B
"	"	k 2, 1 l	9.89	05,*05*	B
4173	10	m 1, 2 n	10.18	04,*04*	B
4238	10	p 2, 2 q	11.00	12,*13*	B
4507	10	r 1, 2 s	11.48	*06*,06	B
4546	16	n 2, 2 o	10.54	00,00	B
4566	72	o 2, 2 p	10.83	11,*11*	B
4806	67	o 2, 2 p	10.83	11,*11*	B
4893	70	p 1	11.02	A	B
4910	10	p 3, 2 q	11.04	18,*17*	B
4918	12	p 1, 2 q	10.94	08,*07*	B
4921	12	p 1, 1 q	11.00	02,*03*	B
4925	16	q 3, 2 r	11.24	13,*12*	B
4928	11	q 2, 2 r	11.20	07,*08*	B
4931	10	r 2, 3 s	11.48	04,*04*	B
4933	40	r 1, 3 s	11.43	*01*,01	B
4935	12	q 2, 1 r	11.24	03,*02*	B
4947	12	r 2, 3 s	11.48	04,*04*	B
4948	14	r 2, 3 s	11.48	04,*04*	B
5004	62	n 2, N	*10.5*		B
5148	63	o 3, N	*11.0*		B
5165	10	q 1, N	*11.1*		B
5225	61	p 1, N	*11.0*		B
5235	62	n 3, 3 o	10.54	10,*10*	B
5262	60	k 2, 1 l	9.89	05,*05*	B
5262	62	k 2, 3 l	9.79	15,*15*	B
5266	60	k 3, 2 l	9.89	15,*15*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5267	60	k 2, 1 l	9.89	05,*05*	B
5276	60	k 2, 1 l	9.89	05,*05*	B
5280	11	m 1, 2 n	10.18	04,*04*	B
5287	12	l 3	10.24	A	Be
5289	10	l 3	10.24	A	Be
5340	10	r 1, 2 s	11.48	*06*,06	B
5376	63	q 1, N	*11.1*		B
5548	10	t 1, N	*12.1*		B
5562	10	s 1	11.84	A	Be
5591	68	q 1, 1 r	11.20	*03*,02	B
5599	60	p 3	11.22	A	B
5618	60	p 2	11.12	A	B
5633	24	p 3, 1 q	11.10	12,*13*	B
5634	62	p 2, 1 q	11.04	08,*07*	B
5637	15	p 2, 2 q	11.00	12,*13*	B
5652	12	q 2, 2 r	11.20	07,*08*	B
5668	19	r 2, 3 s	11.48	04,*04*	B
5692	*69*	s 1, N	*11.8*		B
5719	91	r 2, N	*11.5*		B
5796	25	q 1, N	*11.1*		B
5801	10	o 1, N	*10.8*		B
5801	10	o 1, N	*10.8*		B
5868	60	r 1, N	*11.4*		B
5884	10	r 2, N	*11.5*		B
5927	10	q 2, 1 r	11.24	03,*02*	Be
5940	60	o 1	10.84	A	B
5941	72	l 2, 2 m	10.03	11,*11*	B
5942	102	m 2	10.32	A	B
5943	60	o 2, 3 p	10.78	16,*16*	B
5947	67	m 1, 1 n	10.23	*01*,01	B
5966	723	k 2, 2 l	9.84	10,*10*	Br
5971	66	l 1, 2 m	9.98	06,*06*	B
5976	60	k 2, 1 l	9.89	05,*05*	B
5985	10	m 1, 2 n	10.18	04,*04*	B
5985	10	m 1, 2 n	10.18	04,*04*	B
5987	10	l 1, 2 m	9.98	06,*06*	B
5993	23	m 2, 1 n	10.28	04,*04*	B
6008	60	m 1, 1 n	10.23	*01*,01	B
6009	60	n 2, 2 o	10.54	00,00	B
6013	10	n 2, 2 o	10.54	00,00	B
6023	60	p 1, N	*11.0*		B
6033	86	p 1	11.02	A	B
6040	64	n 2, 2 o	10.54	00,00	B
6043	80	p 1, 2 q	10.94	08,*07*	B
6048	61	r 1, N	*11.4*		B
6083	70	r 2, N	*11.5*		B
6226	66	p 1, N	*11.0*		B
6253	60	q 1, N	*11.1*		B
6281	60	o 1, 1 p	10.83	01,*01*	B
6281	63	o 1, 1 p	10.83	01,*01*	B
6289	61	l 3, 1 m	10.13	11,*11*	B
6289	60	l 1, 3 m	9.93	11,*11*	B
6310	60	k 1, 2 l	9.79	05,*05*	B
6311	60	k 3, 1 l	9.94	10,*10*	B
6311	61	k 2, 2 l	9.84	10,*10*	B
6311	11	2 m	9.92	A	Be
6323	78	k 2, 2 l	9.84	10,*10*	B
6323	61	k 3, 3 l	9.84	20,*20*	B
6328	73	l 1, 2 m	9.98	06,*06*	B
6338	64	l 2, 2 m	10.03	11,*11*	B
6338	68	n 2, 3 o	10.49	05,*05*	B
6339	60	l 2, 2 m	10.03	11,*11*	B
6339	66	l 2, 2 m	10.03	11,*11*	B
6340	63	n 2, 2 o	10.54	00,00	B
6340	10	m 2, 2 n	10.23	09,*09*	B
6372	61	p 2, 1 q	11.04	08,*07*	B
6375	60	q 1, 1 r	11.20	*03*,02	B
6387	63	o 2	10.94	A	B
6396	60	q 1	11.17	A	B
6407	73	p 1, N	*11.0*		B
6438	61	o 2	10.94	A	B
6447	67	p 1, N	*11.0*		B
6552	43	o 1, N	*10.8*		B
6583	60	p 1, N	*11.0*		B
6603	60	q 1, N	*11.1*		B
6620	60	p 1, 1 q	11.00	02,*03*	B
6624	60	p 1	11.02	A	B
6626	10	q 2, 1 r	11.24	03,*02*	B
6632	10	n 2, 2 o	10.54	00,00	B
6635	60	m 1, 1 n	10.23	*01*,01	B
6636	37	m 1, 3 n	10.13	09,*09*	B
6639	60	l 3, 2 m	10.08	16,*16*	B
6639	60	m 2, 2 n	10.23	09,*09*	B
6641	69	l 2, 1 m	10.08	06,*06*	B
6644	60	m 1, 1 n	10.23	*01*,01	B
6654	60	m 1, 3 n	10.13	09,*09*	B
6655	65	l 2, 1 m	10.08	06,*06*	B
6664	63	l 1, 2 m	9.98	06,*06*	B
6667	60	l 2, 2 m	10.03	11,*11*	B
6669	60	k 2, 2 l	9.84	10,*10*	B
6671	72	l 2	10.14	A	Be
6677	60	l 2	10.14	A	B
6680	92	m 1, 1 n	10.23	*01*,01	B
6682	60	k 2, 2 l	9.84	10,*10*	B
6682	10	k 2, 3 l	9.79	15,*15*	Be
6682	62	l 2, 3 m	9.98	16,*16*	B
6683	63	l 1, 2 m	9.98	06,*06*	B
6684	68	l 2, 2 m	10.03	11,*11*	B
6685	61	k 2, 3 l	9.79	15,*15*	B
6691	66	k 2, 1 l	9.89	05,*05*	B
6692	67	l 2, 1 m	10.08	06,*06*	B
6693	60	l 2, 2 m	10.03	11,*11*	B
6693	58	h 1, 1 k	9.70	06,*06*	B
6695	60	k 2, 2 l	9.84	10,*10*	B
6698	60	k 3, 2 l	9.89	15,*15*	B
6702	78	l 2, 1 m	10.08	06,*06*	Bi
6703	62	l 1, 2 m	9.98	06,*06*	B
6704	66	k 1, 2 l	9.79	05,*05*	Bi
6710	73	l 2, 1 m	10.08	06,*06*	B
6711	63	l 2, 1 m	10.08	06,*06*	B
6712	68	l 2, 2 m	10.03	11,*11*	B
6719	79	o 1, 1 p	10.83	01,*01*	B
6722	72	n 2, 1 o	10.59	*05*,05	B
6723	46	n 2, 2 o	10.54	00,00	B
6723	62	m 1, 1 n	10.23	*01*,01	B
6724	60	n 2, 1 o	10.59	*05*,05	B
6726	60	n 3, 2 o	10.59	05,*05*	B
6741	109	o 1, 1 p	10.83	01,*01*	B
6744	67	p 2	11.12	A	B
6761	72	r 1, N	*11.4*		B
6781	61	r 1, N	*11.4*		B
6824	79	r 1, N	*11.4*		B
6948	64	p 1, N	*11.0*		B
6963	71	o 1	10.84	A	B
6966	33	p 2, N	*11.1*		B
6976	60	o 2, 2 p	10.83	11,*11*	B
6977	60	o 2, 2 p	10.83	11,*11*	B
6992	61	h 2, 2 k	9.70	16,*16*	B
6999	60	f 3, 2 g	9.32	16,*16*	B
7001	67	g 1, 3 h	9.41	05,*05*	B
7004	64	g 2, 1 h	9.56	00,00	B
7010	70	k 1, 2 l	9.79	05,*05*	B
7010	62	g 2, 1 h	9.56	00,00	B
7011	59	k 2, 1 l	9.89	05,*05*	Bd
7018	10	h 2	9.86	A	Be
7018	60	h 1, 1 k	9.70	06,*06*	B
7019	61	k 1, 3 l	9.74	10,*10*	B
7021	61	g 3, 2 h	9.56	10,*10*	B
7025	70	h 1, 1 k	9.70	06,*06*	B
7031	64	k 2, 2 l	9.84	10,*10*	B
7034	60	k 2, 2 l	9.84	10,*10*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
7038	60	k 2, 1 l	9.89	05,*05*	B
7039	75	k 2, 1 l	9.89	05,*05*	B
7039	64	l 1, 2 m	9.98	06,*06*	B
7039	10	m 1, 1 n	10.23	*01*,01	B
7049	60	m 2, 1 n	10.28	04,*04*	B
7053	65	l 2, 2 m	10.03	11,*11*	B
7053	60	m 2, 1 n	10.28	04,*04*	Bd
7053	*44*	n 2, 2 o	10.54	00,00	B
7054	62	l 1	10.04	A	B
7054	60	n 2, 2 o	10.54	00,00	B
7056	60	m 2, 2 n	10.23	09,*09*	B
7061	80	n 2, 3 o	10.49	05,*05*	B
7063	*60*	n 1, 2 o	10.49	*05*,05	B
7066	60	m 1, 1 n	10.23	*01*,01	B
7066	60	o 1, 2 p	10.78	06,*06*	B
7068	60	n 2, 2 o	10.54	00,00	B
7075	10	n 2, 2 o	10.54	00,00	B
7075	61	m 2, 2 n	10.23	09,*09*	B
7076	63	n 2, 1 o	10.59	*05*,05	B
7076	12	n 3, 1 o	10.64	00,00	B
7077	65	o 1, 2 p	10.78	06,*06*	B
7090	240	o 2, 1p	10.88	06,*06*	B
7095	60	o 2, 2 p	10.83	11,*11*	B
7107	61	o 1	10.84	A	B
7111	240	q 1, 1 r.	11.20	*03*,02	B
7125	10	r 3, 1 s	11.63	*01*,01	B
7142	75	p 1, 1 q	11.00	02,*03*	B
7145	70	r 1, N	*11.4*		B
7159	89	q 1, N	*11.1*		B
7185	86	p 1, N	*11.0*		B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1171	7	h 4, 1 k	10.94	*01*,01	B
1171	10	h 2, 3 k	10.74	*01*,01	B
1189	60	g 2, 1 h	10.40	*02*,03	B
1240	60	h 2, 2 k	10.79	*06*,06	B
1283	12	b 3, 2 c	8.46	00,00	B
1283	11	b 2, 3 c	8.36	00,00	B
1284	10	b 2, 3 c	8.36	00,00	B
1509	60	q 1, N	*13.1*		B
1885	10	m 1, N	*11.6*		B
2208	10	b 2, 2 c	8.41	*05*,05	B
2210	60	a 3, 2 b	7.74	*23*,22	B
2358	*63*	n 1, N	*12.1*		B
2378	13	m 2, N	*11.7*		B
2582	9	m 2, 2 n	11.79	*01*,01	B
2631	*67*	b 3, 2 c	8.46	00,00	B
2639	10	b 3	8.46	A	Be
2642	10	b 1, 2 c	8.36	*10*,10	B
2642	10	b 3, 3 c	8.41	05,*05*	B
2642	10	b 3, 2 c	8.46	00,00	B
2666	10	b 3, 3 c	8.41	05,*05*	B
2669	10	b 3, 2 c	8.46	00,00	B
2669	10	b 3, 3 c	8.41	05,*05*	B
2760	10	m 2	11.78	A	B
2785	10	p 1	12.79	A	B
2949	10	n 2, N	*12.2*		B
3031	30	m 1, 1 n	11.79	*11*,11	Be
3062	31	m 2, 2 n	11.79	*01*,01	B
3062	31	l 2, 2 m	11.39	01,*01*	B
3086	10	b 2, 2 c	8.41	*05*,05	B
3087	10	b 2, 1 c	8.46	*10*,10	B
3087	10	b 2, 1 c	8.46	*10*,10	B
3099	*61*	b 2, 2 c	8.41	*05*,05	B
3143	14	2 e	9.16	A	Be
3294	30	q 1, N	*13.1*		B
3346	30	s 1, N	*13.5*		B
3385	10	r 1, N	*13.2*		B
3407	10	q 1, N	*13.1*		B
3442	10	o 1, 2 p	12.53	04,*04*	B
3443	10	o 1, 1 p	12.58	*01*,01	B
3444	10	o 1, 2 p	12.53	04,*04*	B
3481	10	n 2	12.20	A	B
3498	10	m 1, 2 n	11.74	*06*,06	B
3499	14	m 2, 2 n	11.79	*01*,01	B
3499	10	n 2, 2 o	12.24	*04*,03	B
3642	11	g 1, 2 h	10.30	*02*,03	B
3658	14	h 2, 3 k	10.74	*01*,01	B
3702	19	n 2, 2 o	12.24	*04*,03	B
3716	13	o 2, 3 p	12.53	14,*14*	B
3759	20	r 2, 2 s	13.32	05,*05*	B
3797	20	r 2, 1 s	13.37	00,00	B
3846	22	s 2, N	*13.6*		B
3889	12	n 3, 2 o	12.28	02,*01*	B
4057	10	b 3, 2 c	8.46	00,00	B
4071	10	e 2, 1 f	9.56	00,00	B
4077	10	f 3, 2 g	9.97	*01*,01	B
4077	11	f 3, 3 g	9.92	04,*04*	B
4085	12	f 3, 3 g	9.92	04,*04*	B
4086	10	f 3, 3 g	9.92	04,*04*	B
4107	10	f 3, 1 g	10.02	*06*,06	B
4112	10	g 3, 2 h	10.40	08,*07*	B
4112	11	g 2, 3 h	10.30	08,*07*	B
4182	24	n 3, 2 o	12.28	02,*03*	B
4239	10	r 1, N	*13.2*		B
4261	10	o 1, N	*12.5*		B
4426	13	o 1, N	*12.5*		B
4448	11	n 3, 2 o	12.28	02,*01*	B
4461	11	h 3, 2 k	10.84	*01*,01	B
4585	10	f 1, 3 g	9.82	*06*,06	B
4596	10	h 3, 2 k	10.84	*01*,01	B
4605	10	l 1, N	*11.3*		B
4818	*240*	n 1, N	*12.1*		B
4826	10	o 1, 2 p	12.53	04,*04*	B
4841	14	n 3, 3 o	12.24	06,*07*	B
4872	60	n 3, 2 o	12.28	02,*01*	B
4875	60	n 1, 2 o	12.18	*08*,09	B
4882	14	m 2, 1 n	11.84	*06*,06	B
4882	10	n 3, 2 o	12.28	02,*01*	B
4884	12	m 1, 2 n	11.74	*06*,06	B
4938	70	d 1, 2 e	9.17	01,*01*	B
4941	15	d 2, 3 e	9.17	11,*11*	B
4942	84	d 2, 2 e	9.22	06,*06*	B
4953	63	b 3, 2 c	8.46	00,00	B
4954	68	b 3, 2 c	8.46	00,00	B
4972	11	d 1, 2 e	9.17	01,*01*	B
5175	60	p 3, 2 q	12.94	05,*05*	B
5206	62	s 3, 1 t	13.80	*03*,02	B
5275	10	o 2, 1 p	12.63	04,*04*	B
5325	60	h 1, 1 k	10.79	*16*,16	B
5530	11	h 2, 3 k	10.74	*01*,01	B
5532	10	h 3, 3 k	10.79	04,*04*	B
5532	60	g 3, 1 h	10.46	02,*03*	B
5533	61	g 2, 1 h	10.40	*02*,03	B
5541	10	h 3, 2 k	10.84	*01*,01	B
5542	61	g 2, 1 h	10.40	*02*,03	B
5585	60	m 2, 3 n	11.74	04,*04*	B
5586	62	n 2, 2 o	12.24	*04*,03	B
5605	60	o 1, 2 p	12.53	04,*04*	B
5614	60	n 3, 1 o	12.34	*04*,03	B
5646	54	q 1, 1 r	13.13	06,*06*	B
5648	40	r 3, 1 s	13.42	05,*05*	B
5648	50	r 3, 2 s	13.37	10,*10*	B
5658	97	r 2, 1 s	13.37	00,00	B
5659	61	r 3, 2 s	13.37	10,*10*	B
5854	60	e 2, 1 f	9.56	00,00	Bd
5866	60	b 3, 3 c	8.41	05,*05*	B
5868	10	b 1, 4 c	8.26	00,00	Bd
5869	10	a 3, 2 b	7.74	*23*,22	Be

167. *200747*. R Telescopii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5869	60	b 2, 2 c	8.41	*05*,05	B
5880	60	a 3, 2 b	7.74	*23*,22	B
5884	10	a 2, 2 b	7.68	*27*,28	B
5885	60	a 2, 2 b	7.68	*27*,28	B
5886	60	a 3, 2 b	7.74	*23*,22	B
5887	60	a 3, 2 b	7.74	*23*,22	B
5896	60	a 3, 3 b	7.68	*17*,18	B
5897	60	a 3, 2 b	7.74	*23*,22	B
5898	60	a 3, 1 b	7.78	*27*,28	B
5911	62	b 3, 3 c	8.41	05,*05*	B
5912	60	b 3, 3 c	8.41	05,*05*	B
5912	60	b 1, 2 c	8.36	*10*,10	Bd
5913	60	b 1, 2 c	8.36	*10*,10	B
5913	60	b 2, 3 c	8.36	00,00	B
5914	65	b 3, 2 c	8.46	00,00	B
5915	60	b 3, 3 c	8.41	05,*05*	B
5926	60	d 1, 2 e	9.17	01,*01*	B
5926	60	d 3, 2 e	9.27	11,*11*	B
5929	61	e 3	9.66	A	Bde
5933	60	d 1, 2 e	9.17	01,*01*	B
5938	60	e 2, 1 f	9.56	00,00	B
5939	60	e 2, 2 f	9.51	05,*05*	B
5940	60	f 2, 3 g	9.87	*01*,01	B
5941	60	f 2, 3 g	9.87	*01*,01	B
5943	61	f 2, 3 g	9.87	*01*,01	B
5943	60	f 3, 2 g	9.97	*01*,01	B
5945	10	e 2, 2 f	9.51	05,*05*	B
5962	68	e 3, 2 f	9.56	10,*10*	B
5970	60	f 2, 2 g	9.92	*06*,06	B
5973	73	g 1, 2 h	10.30	*02*,03	B
6032	10	n 1, N	*12.1*		B
6032	10	m 1, 2 n	11.74	*06*,06	B
6093	63	k 1, N	*11.1*		B
6229	61	m 1, 2 n	11 .74	*06*,06	B
6249	11	m 2, 2 n	11.79	*01*,01	B
6253	10	n 1, N	*12.1*		B
6258	71	l 2, 3 m	11.34	06,*06*	B
6286	60	l 1, 2 m	11.34	*04*,04	B
6310	10	l 3, 2 m	11.44	06,*06*	B
6323	60	f 3, 3 g	9.92	04,*04*	B
6331	62	b 3, 3 c	8.41	05,*05*	B
6337	60	b 2, 3 c	8.36	00,00	B
6340	60	b 1, 4 c	8.26	00,00	B
6340	61	b 3, 3 c	8.41	05,*05*	B
6344	68	b 2, 1 c	8.46	*10*,10	Bd
6355	61	b 2, 3 c	8.36	00,00	B
6358	10	a 3, 2 b	7.74	*23*,22	B
6359	60	b 2, 2 c	8.41	*05*,05	B
6372	60	b 3, 3 c	8.41	05,*05*	B
6375	60	b 3, 3 c	8.41	05,*05*	B
6375	60	b 2, 3 c	8.36	00,00	B
6379	60	b 3, 2 c	8.46	00,00	B
6379	60	b 3, 2 c	8.46	00,00	B
6396	60	c 1, 2 d	8.82	*06*,06	B
6397	64	b 3, 2 c	8.46	00,00	B
6398	71	d 2, 1 e	9.27	01,*01*	B
6400	68	c 2, 1 d	8.92	*06*,06	B
6408	60	e 3, 2 f	9.56	10,*10*	B
6604	10	q 2, N	*13.2*		B
6635	12	s 1, N	*13.5*		B
6667	64	n 2, N	*12.2*		B
6692	15	n 2, 2 o	12.24	*04*,03	B
6711	65	l 1, N	*11.3*		B
6752	60	k 1, N	*11.1*		B
6790	60	f 3, 1 g	10.02	*06*,06	B
6793	68	f 3, 2 g	9.97	*01*,01	B
6802	68	b 3, 1 c	8.51	*05*,05	B
6933	62	h 2, N	*10.7*		B
6962	65	l 1, N	*11.3*		B
6981	11	n 1, N	*12.1*		B
7009	10	q 1	13.19	A	B
7082	240	s 3, 2 t	13.74	03,*02*	B
7125	10	p 1, 1 q	12.89	*10*,10	B

168. *200844*. RZ Sagittarii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1171	7	l 2, N	*11.3*		F
1189	60	l 2, 2 m	11.31	04,*04*	F
1283	12	1 d	9.27	A	Fe
1283	11	d 2, 1 e	9.51	06,*06*	F
1284	10	d 1, 1 e	9.46	01,*01*	F
1509	60	e 2, 1 f	9.76	*01*,01	F
1509	60	f 1, 2 g	9.96	01,*01*	F
1883	10	f 2, 1 g	10.06	01,*01*	F
1883	10	e 3, 1 f	9.81	04,*04*	F
1946	11	f 2, 1 g	10.06	01,*01*	F
1956	10	g 1, N	*10.2*		F
2208	10	h 2, 1 k	10.74	*01*,01	F
2210	60	g 2, 1 h	10.39	*04*,04	F
2287	*66*	e 1, N	*9.6*		B
2378	13	g 3, 0 h, 3 k	10.51	*06*,02, 04	F
2582	9	e 3, 1 f	9.81	04,*04*	F
2639	10	h 3, 1 k	10.79	04,*04*	F
2642	10	h 1, 2 k	10.64	*01*,01	F
2642	10	h 2, 1 k	10.74	*01*,01	F
2642	10	k 1, 3 l	10.90	05,*05*	F
2666	10	e 3, 1 f	9.81	04,*04*	F
2669	10	e 4, 0 f, 3 g	9.89	06,*02*, *04*	F
2669	10	f 2, 1 g	10.06	01,*01*	F
2760	10	e 2, 2 f	9.71	04,*04*	F
2760	10	d 2, 1 e	9.51	06,*06*	F
2785	10	e 2, 1 f	9.76	*01*,01	F
2785	10	f 1, 2 g	9.96	01,*01*	F
2949	10	c 2, 1 d	9.24	*02*,03	F
2949	10	e 1, 2 f	9.66	*01*,01	F
3017	64	e 2, N	*9.7*		F
3031	30	g 1, 2 h	10.29	*04*,04	F
3052	10	h 3, 0 k	10.84	*01*,01	F
3062	31	g 3, 0 h, 3 k	10.51	*06*,02, 04	F
3062	31	h 3, 1 k	10.79	04,*04*	F
3086	10	k 1, 2 l	10.95	00,00	F
3087	10	k 2, 1 l	11.05	00,00	F
3087	10	h 3, 0 k	10.84	*01*,01	F
3090	29	g 2, 1 h	10.39	*04*,04	F
3143	14	d 3, 1 e	9.56	11,*11*	F
3145	14	d 1, 2 e	9.41	06,*06*	F
3279	32	f 3, 1 g	10.11	06,*06*	F
3290	30	h 1, 3 k	10.59	04,*04*	F
3294	30	k 3, 1 l	11.10	05,*05*	F
3308	10	k 2, 1 l	11.05	00,00	F
3313	10	k 2, 2 l	11.00	05,*05*	F
3323	10	g 3, 1 h	10.44	01,*01*	F
3324	10	g 1, 2 h	10.29	*04*,04	F
3324	10	g 3, 0 h, 3 k	10.51	*06*,02, 04	F
3346	30	e 1, 3 f	9.61	04,*04*	F
3348	11	e 1, 3 f	9.61	04,*04*	F
3348	10	d 1, 2 e	9.41	06,*06*	F
3362	*60*	e 2, 1 f	9.76	*01*,01	B
3377	10	d 1, 2 e	9.41	06,*06*	F
3377	10	e 2, 2 f	9.71	04,*04*	F
3377	11	e 1, 3 f	9.61	04,*04*	F
3385	10	e 2, 2 f	9.71	04,*04*	F
3407	10	d 2, 1 e	9.51	06,*06*	F
3409	10	c 2, 2 d	9.20	02,*03*	F
3426	12	c 2, 2 d	9.20	02,*03*	F
3426	10	c 3, 1 d	9.30	02,*03*	F

168. *200844*. RZ SAGITTARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3426	10	c 1, 3 d	9.10	02,*03*	F
3442	11	e 2, 2 f	9.71	04,*04*	F
3442	10	e 1, 3 f	9.61	04,*04*	F
3443	10	e 3, 1 f	9.81	04,*04*	F
3444	10	e 3, 1 f	9.81	04,*04*	F
3481	10	h 3, 1 k	10.79	04,*04*	F
3481	10	h 3, 0 k	10.84	*01*,01	F
3482	10	h 2, 2 k	10.69	04,*04*	F
3497	10	h 2, 2 k	10.69	04,*04*	B
3498	10	k 2, 2 l	11.00	05,*05*	F
3499	14	k 1, 2 l	10.95	00,00	F
3499	10	k 1, 2 l	10.95	00,00	F
3499	11	h 3, 1 k	10.79	04,*04*	F
3499	10	h 3, 1 k	10.79	04,*04*	F
3642	11	d 2, 2 e	9.46	11,*11*	F
3659	10	d 3, 0 e, 3 f	9.60	07,*05*, *03*	F
3659	14	d 2, 1 e	9.51	06,*06*	F
3661	30	d 3, 0 e, 3 f	9.60	07,*05*, *03*	F
3689	27	g 1, 2 h	10.29	*04*,04	F
3691	10	g 2, 2 h	10.34	01,*01*	F
3694	31	g 2, 1 h	10.39	*04*,04	F
3702	19	g 2, 1 h	10.39	*04*,04	F
3715	30	g 3, 0 h	10.49	*04*,04	F
3716	13	g 2, 1 h	10.39	*04*,04	F
3723	10	g 3, 1 h	10.44	01,*01*	F
3728	32	h 1	10.63	A	F
3730	10	h 2, 1 k	10.74	*01*,01	F
3742	30	h 1, 2 k	10.64	*01*,01	F
3743	12	h 2, 1 k	10.74	*01*,01	F
3744	12	h 1, 2 k	10.64	*01*,01	F
3744	10	h 2, 1 k	10.74	*01*,01	F
3759	33	g 2, 2 h	10.34	01,*01*	F
3759	20	g 2, 1 h	10.39	*04*,04	F
3778	*92*	e 1, 2 f	9.66	*01*,01	F
3779	30	e 1, 2 f	9.66	*01*,01	F
3786	28	e 2, 2 f	9.71	04,*04*	F
3797	22	b 3, 1 c	8.97	05,*05*	F
3797	20	b 2, 2 c	8.87	05,*05*	F
3803	*60*	b 3, 1 c	8.97	05,*05*	F
3831	11	e 3, 1 f	9.81	04,*04*	F
3833	30	d 1, 2 e	9.41	06,*06*	F
3845	10	c 2, 2 d	9.20	02,*03*	F
3846	22	c 1, 2 d	9.14	*02*,03	F
3847	11	c 2, 1 d	9.24	*02*,03	F
3860	15	d 1, 2 e	9.41	06,*06*	F
3861	17	b 3, 1 c	8.97	05,*05*	F
3875	10	c 1, 2 d	9.14	*02*,03	F
3889	12	e 2, 1 f	9.76	*01*,01	F
3891	30	e 1, 3 f	9.61	04,*04*	F
4024	10	b 3, 1 c	8.97	05,*05*	F
4057	11	e 3, 3 f	9.71	14,*14*	B
4057	10	c 2, 2 d	9.20	02,*03*	F
4071	10	e 2, 2 f	9.71	04,*04*	F
4071	10	d 1, 2 e	9.41	06,*06*	F
4077	10	e 3, 2 f	9.76	09,*09*	B
4085	15	f 1, 2 g	9.96	01,*01*	B
4085	12	e 1, 3 f	9.61	04,*04*	B
4086	10	f 2, 2 g	10.01	06,*06*	B
4107	10	f 2, 3 g	9.96	11,*11*	B
4112	10	g 3, 2 h	10.39	06,*06*	B
4162	*67*	f 1, 1 g	10.01	*04*,04	B
4182	26	e 2, 1 f	9.76	*01*,01	B
4182	24	e 1, 2 f	9.66	*01*,01	B
4189	*68*	c 2, 1 d	9.24	*02*,03	B
4196	*60*	d 2, 1 e	9.51	06,*06*	B
4202	10	d 2, 1 e	9.51	06,*06*	B
4210	10	e 3, 2 f	9.76	09,*09*	B
4226	10	e 3, 2 f	9.76	09,*09*	B
4232	10	d 1, 1 e	9.46	01,*01*	Be
4239	10	c 2, 2 d	9.20	02,*03*	B
4253	10	c 2, 2 d	9.20	02,*03*	B
4261	10	c 2, 2 d	9.20	02,*03*	B
4410	10	f 1, 2 g	9.96	01,*01*	B
4426	13	e 1, 2 f	9.66	*01*,01	B
4426	13	e 3, 2 f	9.76	09,*09*	B
4426	10	e 2, 2 f	9.71	04,*04*	B
4435	12	c 2, 1 d	9.24	*02*,03	B
4437	10	e 1, 2 f	9.66	*01*,01	B
4448	12	b 3, 2 c	8.92	10,*10*	B
4448	11	c 1, 2 d	9.14	*02*,03	Bd
4451	11	c 2, 1 d	9.24	*02*,03	B
4461	14	b 2, 2 c	8.87	05,*05*	B
4461	11	c 1, 2 d	9.14	*02*,03	B
4576	10	f 2, 1 g	10.06	01,*01*	B
4576	10	f 2, 2 g	10.01	06,*06*	B
4585	10	g 1, 2 h	10.29	*04*,04	B
4596	10	g 1, 2 h	10.29	*04*,04	B
4605	10	g 1, 2 h	10.29	*04*,04	B
4795	10	f 3, 2 g	10.06	11,*11*	B
4822	10	f 3, 2 g	10.06	11,*11*	B
4823	11	e 2, 2 f	9.71	04,*04*	B
4823	10	f 2, 1 g	10.06	01,*01*	B
4826	10	f 1, 2 g	9.96	01,*01*	B
4841	14	e 1, 1 f	9.71	*06*,06	B
4841	10	f 1, 2 g	9.96	01,*01*	B
4846	60	e 2, 2 f	9.71	04,*04*	B
4846	11	e 2, 2 f	9.71	04,*04*	B
4854	10	e 2, 2 f	9.71	04,*04*	B
4861	78	e 1, 2 f	9.66	*01*,01	B
4862	64	e 2, 3 f	9.66	09,*09*	B
4863	75	e 2, 3 f	9.66	09,*09*	B
4867	60	d 2, 2 e	9.46	11,*11*	B
4870	70	c 2, 1 d	9.24	*02*,03	B
4874	67	d 2, 1 e	9.51	06,*06*	B
4878	272	d 2, 1 e	9.51	06,*06*	B
4881	10	d 2, 1 e	9.51	06,*06*	B
4882	14	b 3, 2 c	8.92	10,*10*	B
4882	10	c 2, 2 d	9.20	02,*03*	B
4884	10	c 1, 2 d	9.14	*02*,03	B
4891	60	e 3, 2 f	9.76	09,*09*	B
4891	64	d 2, 1 e	9.51	06,*06*	B
4898	66	e 3, 3 f	9.71	14,*14*	B
4898	74	e 2, 2 f	9.71	04,*04*	B
4899	61	e 2, 2 f	9.71	04,*04*	B
4938	70	f 2, 1 g	10.06	01,*01*	B
4942	84	e 2, 2 f	9.71	04,*04*	B
4972	11	g 2, 1 h	10.39	*04*,04	B
5144	*50*	f 2	10.07	A	B
5164	10	g 2, 1 h	10.39	*04*,04	B
5175	60	g 3, 1 h	10.44	01,*01*	B
5203	60	h 1, 2 k	10.64	*01*,01	B
5206	62	h 2, 3 k	10.64	09,*09*	B
5224	60	f 1, 2 g	9.96	01,*01*	B
5231	68	e 2, 3 f	9.66	09,*09*	B
5234	61	e 2, 2 f	9.71	04,*04*	B
5261	60	c 2, 2 d	9.20	02,*03*	Bi
5263	60	f 2, 3 g	9.96	11,*11*	B
5267	81	f 2, 2 g	10.01	06,*06*	B
5275	10	f 1, 2 g	9.96	01,*01*	B
5276	11	e 3, 2 f	9.76	09,*09*	B
5292	60	e 2, 1 f	9.76	*01*,01	B
5297	12	e 3, 2 f	9.76	09,*09*	B
5325	60	e 2, 3 f	9.66	09,*09*	B
5526	61	f 1, 2 g	9.96	01,*01*	B
5530	11	f 2, 2 g	10.01	06,*06*	B
5532	10	e 3, 2 f	9.76	09,*09*	B
5532	60	f 1, 2 g	9.96	01,*01*	B
5532	60	e 2, 1 f	9.76	*01*,01	B
5533	61	f 1, 1 g	10.01	*04*,04	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
168. *200844.* RZ Sagittarii.						168. *200844.* RZ Sagittarii.						168. *200844.* RZ Sagittarii.					
	m.						m.						m.				
5533	60	e 2, 2 f	9.71	04,*04*	B	5970	60	f 2, 2 g	10.01	06,*06*	B	6605	10	e 2, 2 f	9.71	04,*04*	B
5534	10	e 2, 2 f	9.71	04,*04*	B	5973	73	f 1, 2 g	9.96	01,*01*	B	6607	60	f 1, 2 g	9.96	01,*01*	B
5541	10	e 2, 1 f	9.76	*01*,01	B	6008	60	f 1, 2 g	9.96	01,*01*	B	6607	28	f 2, 2 g	10.01	06,*06*	B
5541	62	f 2, 2 g	10.01	06,*06*	B	6009	62	e 2, 3 f	9.66	09,*09*	B	6613	60	e 3, 2 f	9.76	09,*09*	B
5542	61	f 1, 2 g	9.96	01,*01*	B	6032	10	e 3, 2 f	9.76	09,*09*	B	6626	10	f 2, 1 g	10.06	01,*01*	B
5543	60	f 1, 2 g	9.96	01,*01*	B	6032	10	f 2, 2 g	10.01	06,*06*	B	6634	10	f 1, 2 g	9.96	01,*01*	B
5547	60	e 2, 2 f	9.71	04,*04*	B	6033	60	g 2, 2 h	10.34	01,*01*	B	6634	60	g 2, 1 h	10.39	*04*,04	B
5557	60	f 2, 3 g	9.96	11,*11*	B	6060	60	h 1, N	*10.6*		B	6635	60	g 2, 2 h	10.34	01,*01*	B
5560	60	f 2, 2 g	10.01	06,*06*	B	6093	63	g 1, N	*10.2*		B	6635	12	g 1, 2 h	10.29	*04*,04	B
5571	62	f 2, 1 g	10.06	01,*01*	B	6208	60	g 1, N	*10.2*		B	6636	60	f 2, 3 g	9.96	11,*11*	B
5571	61	e 2, 2 f	9.71	04,*04*	B	6239	61	h 1, N	*10.6*		B	6655	60	g 2, 2 h	10.34	01,*01*	B
5585	60	g 2, 3 h	10.29	06,*06*	B	6241	10	f 2, 1 g	10.06	01,*01*	B	6655	60	g 2, 1 h	10.39	*04*,04	B
5588	60	g 2, 2 h	10.34	01,*01*	B	6249	11	g 2, 2 h	10.34	01,*01*	B	6667	64	g 3, 1 h	10.44	01,*01*	B
5590	67	f 2, 2 g	10.01	06,*06*	B	6253	60	e 2, 3 f	9.66	09,*09*	B	6682	62	g 2, 2 h	10.34	01,*01*	B
5591	65	g 2, 2 h	10.34	01,*01*	B	6253	10	f 2, 2 g	10.01	06,*06*	B	6682	60	g 2, 1 h	10.39	*04*,04	B
5619	10	h 1, 2 k	10.64	*01*,01	B	6258	71	f 2, 2 g	10.01	06,*06*	B	6692	63	g 2, 1 h	10.39	*04*,04	B
5620	10	h 2, 2 k	10.69	04,*04*	B	6267	60	g 2, 2 h	10.34	01,*01*	B	6692	15	g 2, 2 h	10.34	01,*01*	B
5660	40	h 2, 2 k	9.69	04,*04*	B	6268	60	g 2, 2 h	10.34	01,*01*	B	6692	4	g 3, 2 h	10.39	06,*06*	B
5854	60	e 2, 2 f	9.71	04,*04*	B	6272	62	f 2, 2 g	10.01	06,*06*	B	6692	13	g 2, 2 h	10.34	01,*01*	B
5866	60	e 1, 3 f	9.61	04,*04*	B	6302	60	g 2, 1 h	10.39	*04*,04	B	6694	61	f 1, 2 g	9.96	01,*01*	B
5868	10	g 3, 1 h	10.44	01,*01*	B	6308	64	g 2	10.35	A	B	6694	60	g 3, 2 h	10.39	06,*06*	B
5869	10	h 2, 1 k	10.74	*01*,01	B	6310	60	h 2	10.73	A	B	6705	63	g 1, 1 h	10.34	*09*,09	B
5884	10	g 3, 2 h	10.39	06,*06*	B	6310	60	g 2, 2 h	10.34	01,*01*	B	6711	65	g 1, 2 h	10.29	*04*,04	B
5887	60	g 2, 2 h	10.34	01,*01*	B	6310	10	g 3, 3 h	10.34	11,*11*	B	6713	61	f 3, 2 g	10.06	11,*11*	B
5896	60	h 1, N	*10.6*		B	6312	60	g 2, 2 h	10.34	01,*01*	B	6727	63	g 1	10.25	A	B
5897	60	g 2, 2 h	10.34	01,*01*	B	6331	62	f 2, 2 g	10.01	06,*06*	B	6743	63	g 1, 2 h	10.29	*04*,04	B
5898	60	g 2, 1 h	10.39	*04*,04	B	6337	60	f 2, 2 g	10.01	06,*06*	B	6745	61	f 2, 2 g	10.01	06,*06*	B
5911	62	e 2, 3 f	9.66	09,*09*	B	6340	61	f 3, 2 g	10.06	11,*11*	B	6745	60	f 2, 1 g	10.06	01,*01*	B
5912	60	e 2, 3 f	9.66	09,*09*	B	6344	68	f 3, 2 g	10.06	11,*11*	B	6752	60	f 3, 2 g	10.06	11,*11*	B
5912	60	c 2, 2 d	9.20	02,*03*	B	6355	61	f 2, 2 g	10.01	06,*06*	B	6766	60	f 2, 2 g	10.01	06,*06*	B
5913	60	d 1, 2 e	9.41	06,*06*	B	6358	10	e 3, 3 f	9.71	14,*14*	B	6766	60	e 3, 2 f	9.76	09,*09*	B
5913	60	e 1, 2 f	9.66	*01*,01	B	6359	10	f 2, 1 g	10.06	01,*01*	B	6782	72	f 1, 1 g	10.01	*04*,04	B
5914	65	d 3, 2 e	9.51	16,*16*	B	6359	60	f 3, 2 g	10.06	11,*11*	B	6783	62	e 2, 2 f	9.71	04,*04*	B
5915	60	e 1, 2 f	9.66	*01*,01	B	6372	60	g 2	10.35	A	B	6790	60	f 1, 2 g	9.96	01,*01*	B
5926	60	d 2, 3 e	9.41	16,*16*	B	6375	60	g 1	10.25	A	B	6802	68	f 2, 2 g	10.01	06,*06*	B
5926	60	b 2, 1 c	8.92	00,00	B	6376	60	e 3, 2 f	9.76	09,*09*	B	6933	62	f 3, 2 g	10.06	11,*11*	B
5933	60	d 1, 2 e	9.41	06,*06*	B	6379	60	g 2	10.35	A	B	6957	61	g 1, 2 h	10.29	*04*,04	B
5938	60	d 1, 2 e	9.41	06,*06*	B	6396	60	f 3, 2 g	10.06	11,*11*	B	6962	65	h 1	10.63	A	B
5939	60	b 2, 1 c	8.92	00,00	B	6397	64	g 3, 2 h	10.39	06,*06*	B	6964	65	g 1	10.25	A	B
5940	60	d 2, 1 e	9.51	06,*06*	B	6398	71	f 3, 1 g	10.11	06,*06*	B	6968	60	g 2, 2 h	10.34	01,*01*	B
5941	60	e 1, 2 f	9.66	*01*,01	B	6408	60	g 1, 2 h	10.29	*04*,04	B	6975	60	f 2, 2 g	10.01	06,*06*	B
5943	61	e 1, 2 f	9.66	*01*,01	B	6461	62	g 1, 2 h	10.29	*04*,04	B	6977	67	g 1, 2 h	10.29	*04*,04	B
5943	60	d 2, 1 e	9.51	06,*06*	B	6583	62	f 2, 2 g	10.01	06,*06*	B	6979	63	f 1, 2 g	9.96	01,*01*	B
5943	61	d 2, 1 e	9.51	06,*06*	B	6589	69	f 3, 2 g	10.06	11,*11*	B	6981	11	e 2, 1 f	9.76	*01*,01	B
5945	60	e 3, 2 f	9.76	09,*09*	B	6603	60	f 1, 2 g	9.96	01,*01*	B	6981	11	e 2, 2 f	9.71	04,*04*	B
5945	10	c 2, 2 d	9.20	02,*03*	B	6603	10	e 3, 2 f	9.76	09,*09*	B	6988	60	g 1, 2 h	10.29	*04*,04	B
5963	163	e 2, 2 f	9.71	04,*04*	B	6604	10	e 2, 2 f	9.71	04,*04*	B	6992	62	f 2, 2 g	10.01	06,*06*	B

168. *200844*. RZ Sagittarii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6999	59	f 3, 2 g	10.06	11,*11*	B
7001	62	e 2, 1 f	9.76	*01*,01	B
7004	61	f 2, 3 g	9.96	11,*11*	B
7004	60	f 2, 2 g	10.01	06,*06*	B
7006	65	e 2, 1 f	9.76	*01*,01	B
7007	63	f 3, 2 g	10.06	11,*11*	B
7009	10	e 2, 1 f	9.76	*01*,01	B
7010	60	f 2, 1 g	10.06	01,*01*	B
7010	13	e 2, 2 f	9.71	04,*04*	B
7017	11	e 3, 3 f	9.71	14,*14*	B
7017	61	f 3, 2 g	10.06	11,*11*	B
7018	60	e 2, 2 f	9.71	04,*04*	B
7019	67	f 3, 2 g	10.06	11,*11*	B
7028	63	f 2, 1 g	10.06	01,*01*	B
7038	60	g 2, 2 h	10.34	01,*01*	B
7038	12	f 2, 2 g	10.01	06,*06*	B
7039	10	g 2, 2 h	10.34	01,*01*	B
7051	60	g 2, 2 h	10.34	01,*01*	B
7068	60	g 1, 2 h	10.29	*04*,04	B
7068	60	g 2, 2 h	10.34	01,*01*	B
7069	69	g 2	10.35	A	B
7076	11	g 2, 1 h	10.39	*04*,04	B
7080	10	g 3, 2 h	10.39	06,*06*	B
7094	60	h 2, N	*10.7*		B
7096	64	h 2, 1 k	10.74	*01*,01	B
7105	60	h 2, N	*10.7*		B
7124	60	g 3, 2 h	10.39	06,*06*	B
7125	65	h 1	10.63	A	B
7128	62	g 2, 2 h	10.34	01,*01*	B
7163	60	e 2, 2 f	9.71	04,*04*	B
7163	69	e 2, 2 f	9.71	04,*04*	B
7174	62	f 2, 3 g	9.96	11,*11*	B

170. *201139*. RT Sagittarii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1171	10	c 3, 1 d	7.77	06,*06*	B
1174	10	d 2, 3 e	8.16	*15*,15	B
1175	60	b 2, 1 c	7.54	11,*11*	B
1202	60	c 3, 2 d	7.72	11,*11*	B
1283	11	l 2, 1 m	10.03	*05*,05	Be
1501	*60*	d 1, 2 e	8.16	25,*25*	B
1502	*60*	d 2, 2 e	8.21	*20*,20	B
1510	60	d 1, 3 e	8.11	*20*,20	B
1883	10	l 1, 2 m	9.93	*05*,05	B
1883	10	l 2, 2 m	9.98	00,00	B
1886	10	g 3, 3 h	9.17	01,*01*	Be
1956	10	m 1, N	*10.5*		B
2210	60	n 1, 3 o	10.58	*05*,05	B
2261	11	q 3, 1 r	11.92	18,*17*	B
2326	*75*	n 1, N	*10.5*		B
2378	13	n 1, 3 o	10.58	*05*,05	B
2639	10	r 1, 2 s	12.04	*09*,09	B
2642	10	r 2, 1 s	12.14	*09*,09	B
2642	10	r 1, 2 s	12.04	*09*,09	B
2642	10	r 2, 1 s	12.14	*09*,09	B
2666	10	n 2, 2 o	10.68	*05*,05	B
2666	10	n 2, 3 o	10.63	00,00	B
2666	10	n 3, 2 o	10.73	00,00	B
2669	10	o 1, 2 p	11.00	03,*02*	B
2669	10	n 3, 2 o	10.73	00,00	B
2682	*62*	l 1	9.88	A	B
2730	10	f 1	8.73	A	Be
2760	10	c 3, 2 d	7.72	11,*11*	B
2760	10	b 3, 1 c	7.59	16,*16*	B
2785	10	d 3, 2 e	8.26	*15*,15	B
2785	10	f 1, 3 g	8.66	07,*08*	B
2949	10	r 1, N	*11.9*		B
2949	10	s 1, N	*12.4*		B
3031	30	g 3, 2 h	9.22	*04*,04	B
3040	10	g 2, 3 h	9.12	*04*,04	B
3048	10	d 3, 2 e	8.26	*15*,15	B
3052	10	f 1, 2 g	8.70	03,*02*	B
3062	31	f 1, 2 g	8.70	03,*02*	B
3062	31	g 2, 1 h	9.22	*14*,14	Bd
3065	*60*	g 3, 3 h	9.17	01,*01*	B
3090	29	f 2, 3 g	8.70	13,*12*	Bp
3099	*65*	f 2, 2 g	8.76	07,*08*	B
3143	14	n 3, 2 o	10.73	00,00	B
3279	32	o 2, 1 p	11.10	03,*02*	B
3290	30	n 3, 3 o	10.68	05,*05*	B
3294	30	n 2, 3 o	10.63	00,00	B
3313	10	k 2, 1 l	9.72	04,*04*	B
3323	10	g 1, 2 h	9.12	*14*,14	B
3324	10	f 2, 1 g	8.80	03,*02*	B
3346	11	c 4, 2 d	7.77	16,*16*	B
3348	11	c 3, 2 d	7.72	11,*11*	B
3348	10	c 3, 2 d	7.72	11,*11*	B
3349	10	c 3, 1 d	7.77	06,*06*	B
3362	*60*	c 2, 2 d	7.67	06,*06*	B
3377	10	c 2, 1 d	7.72	01,*01*	B
3377	10	b 2, 1 c	7.54	11,*11*	B
3378	10	c 3, 1 d	7.77	06,*06*	B
3390	*60*	d 2, 1 e	8.26	*25*,25	B
3409	10	f 3, 2 g	8.80	13,*12*	B
3423	*60*	g 2, 1 h	9.22	*14*,14	B
3426	12	g 3, 2 h	9.22	*04*,04	Be
3426	10	f 1, 2 g	8.70	03,*02*	B
3442	11	l 1, 2 m	9.93	*05*,05	B
3442	10	h 2, 1 k	9.56	10,*10*	B
3481	10	p 3, 1 q	11.59	*11*,11	B
3482	10	p 3, 1 q	11.59	*11*,11	B
3497	10	q 3, 1 r	11.92	18,*17*	B
3498	10	r 3, 2 s	12.14	01,*01*	B
3499	10	s 1	12.43	A	Be
3499	11	s 1, 2 t	12.47	*04*,04	B
3642	11	d 3, 2 e	8.26	*15*,15	B
3658	10	d 2	8.01	A	Be
3661	*30*	d 2	8.01	A	Be
3661	15	c 3, 1 d	7.77	06,*06*	Bp
3663	20	b 3, 2 ċ	7.54	21,*21*	B
3689	27	c 3, 1 d	7.77	06,*06*	B
3691	12	d 1, 3 e	8.11	*20*,20	B
3694	31	d 2	8.01	A	Be
3702	10	f 2, 3 g	8.70	13,*12*	B
3715	30	g 3, 2 h	9.22	*04*,04	Be
3716	10	h 1, 2 k	9.46	10,*10*	B
3728	32	k 2, 1 l	9.72	04,*04*	B
3730	11	l 1, 3 m	9.88	00,00	B
3740	10	l 1, 2 m	9.93	*05*,05	B
3743	12	n 1, 3 o	10.58	*05*,05	B
3744	12	n 1, 3 o	10.58	*05*,05	B
3744	10	m 1, 0 n, 3 o	10.45	*17*,*02*, 18	B
3752	16	n 3, 2 o	10.73	00,00	B
3759	33	n 3, 0 o, 2 p	10.88	*15*,05, 10	B
3759	12	o 1, 2 p	11.00	03,*02*	B
3779	30	p 3, 1 q	11.59	*11*,11	B
3786	15	r 3, 2 s	12.14	01,*01*	B
3797	22	r 2, 1 s	12.14	*09*,09	B
3803	12	r 3, 0 s, 2 t	12.33	*18*,00, 18	B
3831	10	s 2, 3 t	12.47	06,*06*	B
3833	30	s 1, 3 t	12.42	01,*01*	B
3839	14	s 3, 2 t	12.57	06,*06*	B
3845	10	s 2, 1 t	12.57	*04*,04	B
3850	10	s 2, 1 t	12.57	*04*,04	B
3861	17	p 4, 1 q	11.64	*06*,06	B
3875	10	p 2, 2 q	11.49	*11*,11	B
3889	13	p 1, 3 q	11.39	*11*,11	B

170. *201139.* RT Sagittarii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3891	30	o 2, 1 p	11.10	03,*02*	B
4024	10	k 1, 3 l	9.57	09,*09*	B
4024	11	g 2, 1 h	9.22	*14*,14	B
4057	11	n 3, 2 o	10.73	00,00	B
4057	13	o 2, 1 p	11.10	03,*02*	B
4071	10	p 2, 1 q	11.54	*16*,16	B
4071	10	p 2, 3 q	11.44	*06*,06	B
4074	10	p 3, 2 q	11.54	*06*,06	B
4077	10	p 3, 2 q	11.54	*06*,06	B
4085	10	p 3, 1 q	11.59	*11*,11	B
4086	10	p 4, 1 q	11.64	*06*,06	B
4107	10	r 2, 1 s	12.14	*09*,09	B
4154	*60*	n 2	10.63	A	B
4182	26	n 3, 1 o	10.78	*05*,05	B
4189	*68*	l 2, 1 m	10.03	*05*,05	B
4192	*71*	l 2, 1 m	10.03	*05*,05	B
4196	*60*	l 1	9.98	A	B
4202	10	l 2; 3 m	9.93	05,*05*	B
4210	10	k 2, 3 l	9.62	14,*14*	B
4226	10	g 1, 3 h	9.07	*09*,09	B
4239	10	d 2, 3 e	8.16	*15*,15	B
4253	10	b 2, 1 c	7.54	11,*11*	B
4410	10	s 2, 2 t	12.52	01,*01*	B
4426	13	t 1	12.81	A	B
4435	14	s 3, 2 t	12.57	06,*06*	B
4435	11	t 3	13.01	A	B
4448	12	t 1	12.81	A	B
4448	11	t 1, 3 u	12.81	00,00	B
4451	11	t 1	12.81	A	B
4461	10	t 1	12.81	A	B
4576	10	d 2, 3 e	8.16	*15*,15	B
4576	10	c 3, 1 d	7.77	06,*06*	B
4585	10	d 2, 3 e	8.16	*15*,15	B
4596	10	f 2, 1 g	8.80	03,*02*	B
4605	10	f 1, 2 g	8.70	03,*02*	B
4794	10	m 2, 1 n	10.36	02,*03*	B
4795	10	o 1, 2 p	11.00	03,*02*	B
"	"	n 2, 1 o	10.73	*10*,10	B
4805	10	m 2, 2 n	10.30	08,*07*	B
4822	10	m 1, 3 n	10.20	08,*07*	B
4823	11	l 2, 1 m	10.03	*05*,05	B
4823	10	l 2, 3 m	9.93	05,*05*	B
4826	12	l 1, 2 m	9.93	*05*,05	B
4841	10	h 1, 2 k	9.46	10,*10*	B
4844	61	g 1, 2 h	9.12	*14*,14	B
4854	10	g 1, 2 h	9.12	*14*,14	B
4861	78	c 3, 1 d	7.77	06,*06*	B
4863	75	c 3, 2 d	7.72	11,*11*	B
4867	60	c 3, 1 d	7.77	06,*06*	B
4870	70	c 2, 3 d	7.62	11,*11*	B
4874	67	c 2, 3 d	7.62	11,*11*	B
4881	10	b 2, 1 c	7.54	11,*11*	B
4882	10	b 3, 1 c	7.59	16,*16*	B
4882	10	b 2, 1 c	7.54	11,*11*	Br
4884	10	b 2, 1 c	7.54	11,*11*	B
4891	60	c 3, 2 d	7.72	11,*11*	B
4891	64	c 1, 2 d	7.62	01,*01*	B
4898	66	c 2, 2 d	7.67	06,*06*	B
4898	74	c 2, 1 d	7.72	01,*01*	B
4904	68	c 2, 1 d	7.72	01,*01*	B
4927	60	f 4, 1 g	8.90	13,*12*	B
4938	70	h 1, 1 k	9.51	05,*05*	B
4942	84	k 1, 2 l	9.62	04,*04*	B
4953	63	l 3, 2 m	10.03	05,*05*	B
4972	11	n 2, 1 o	10.73	*10*,10	B
5148	59	k 2, 2 l	9.67	09,*09*	B
5164	10	e 1, 0 f, 2 g	8.67	04,*04*, 01	B
5168	65	d 3, 2 e	8.26	*15*,15	B
5191	60	c 3, 3 d	7.67	16,*16*	B
5198	72	c 3, 2 d	7.72	11,*11*	B
5203	60	d 1	7.91	A	Be
5222	62	f 3, 1 g	8.86	07,*08*	B
5224	60	g 1, 3 h	9.07	*09*,09	B
5231	68	g 2, 3 h	9.12	*04*,04	B
5234	62	g 3, 2 h	9.22	*04*,04	B
5261	60	l 2, 3 m	9.93	05,*05*	B
5263	60	n 2, 3 o	10.63	00,00	B
5275	11	o 2, 1 p	11.10	03,*02*	B
5276	11	n 2, 3 o	10.63	00,00	B
5288	61	p 2, 1 q	11.54	*16*,16	B
5297	12	p 3, 1 q	11.59	*11*,11	B
5526	61	g 2, 3 h	9.12	*04*,04	B
5532	60	f 2, 1 g	8.80	03,*02*	B
5532	10	g 1, 3 h	9.07	*09*,09	B
5533	61	g 1, 3 h	9.07	*09*,09	B
5534	10	f 2, 1 g	8.80	03,*02*	B
5541	12	k 1, 2 l	9.62	04,*04*	B
5541	62	g 1, 2 h	9.12	*14*,14	B
5542	61	g 3, 2 h	9.22	*04*,04	B
5543	60	g 3, 2 h	9.22	*04*,04	B
5547	60	h 1, 2 k	9.46	10,*10*	B
5548	60	h 1, 2 k	9.46	10,*10*	Bd
5557	60	l 1, 3 m	9.88	00,00	B
5560	60	l 2, 2 m	9.98	00,00	B
5561	10	l 2, 1 m	10.03	*05*,05	B
5571	62	m 1, 2 n	10.26	02,*03*	B
5583	60	n 4, 1 o	10.83	00,00	B
5588	60	p 2, 1 q	11.54	*16*,16	B
5592	10	p 2, 1 q	11.54	*16*,16	B
5593	10	p 1, 2 q	11.44	*16*,16	B
5619	10	r 2, N	*12.0*		B
5662	60	t 3, 1 u	13.01	00,00	B
5854	60	g 3, 2 h	9.22	*04*,04	B
5866	60	l 1, 2 m	9.93	*05*,05	B
5868	10	m 1, 3 n	10.20	08,*07*	Be
5869	10	m 1, 1 n	10.30	*02*,03	B
5869	60	m 1, 2 n	10.26	02,*03*	B
5884	10	n 4, 2 o	10.78	05,*05*	B
5896	60	p 2, 2 q	11.49	*11*,11	B
5943	61	t 2, 1 u	12.96	*05*,05	B
6032	10	n 1, 3 o	10.58	*05*,05	B
6032	10	n 1, 3 o	10.58	*05*,05	B
6033	60	n 3, 2 o	10.73	00,00	B
6044	60	l 1, 2 m	9.93	*05*,05	B
6045	60	l 2, 2 m	9.98	00,00	B
6060	60	g 3, 2 h	9.22	*04*,04	B
6079	60	e 2, 2 f	8.62	19,*19*	B
6093	63	c 3, 1 d	7.77	06,*06*	B
6249	10	s 2, 1 t	12.57	*04*,04	B
6249	12	s 3, 1 t	12.62	01,*01*	B
6253	10	s 1, 2 t	12.47	*04*,04	B
6288	60	s 3, 2 t	12.57	06,*06*	B
6310	10	p 3, 1 q	11.59	*11*,11	B
6310	60	p 2, 4 q	11.39	*01*,01	B
6320	62	o 1, 2 p	11.00	03,*02*	B
6323	60	n 3, 1 o	10.78	*05*,05	B
6331	62	l 3, 1 m	10.08	00,00	B
6337	60	k 2, 1 l	9.72	04,*04*	B
6340	60	l 1, 3 m	9.88	00,00	B
6340	61	l 1, 3 m	9.88	00,00	B
6341	48	l 2, 0 m, 2 n	10.13	*15*,05, 10	B
6344	68	l 2, 2 m	9.98	00,00	B
6355	61	k 1, 3 l	9.57	09,*09*	B
6358	10	g 3, 1 h	9.27	*09*,09	Be
6359	10	g 1, 2 h	9.12	*14*,14	B
6372	60	d 2, 2 e	8.21	*20*,20	B
6375	60	e 1, 2 f	8.57	14,*14*	B
6376	60	c 2, 1 d	7.72	01,*01*	Be
6376	60	c 3, 1 d	7.77	06,*06*	B

170. *201139*. RT Sagittarii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6379	60	c 3, 2 d	7.72	11,*11*	B
6396	60	b 2, 1 c	7.54	11,*11*	B
6397	64	b 2, 0 c, 2 d	7.60	05,*07*, 01	B
6398	71	b 2, 1 c	7.54	11,*11*	B
6400	68	c 4, 3 d	7.72	21,*21*	B
6408	60	b 2, 1 c	7.54	11,*11*	B
6438	60	e 2, 1 f	8.67	14,*14*	B
6461	62	g 3, 2 h	9.22	*04*,04	B
6603	10	r 2, 1 s	12.14	*09*,09	B
6604	10	s 1, 3 t	12.42	01,*01*	B
6613	60	p 3	11.48	A	Br
6626	10	n 3, 2 o	10.73	00,00	B
6634	12	m 3, 1 n	10.40	08,*07*	B
6635	10	m 1, 2 n	10.26	02,*03*	B
6635	60	n 2, 2 o	10.68	*05*,05	B
6638	60	n 1, 3 o	10.58	*05*,05	B
6639	67	l 2, 3 m	9.93	05,*05*	B
6647	60	l 3, 2 m	10.03	05,*05*	B
6655	60	h 1, 2 k	9.46	10,*10*	B
6655	60	l 2, 3 m	9.98	00,00	B
6667	61	g 3, 2 h	9.22	*04*,04	B
6667	64	g 3, 2 h	9.22	*04*,04	B
6682	62	d 2, 1 e	8.26	*25*,25	B
6682	60	d 1, 2 e	8.16	*25*,25	B
6684	66	d 2, 3 e	8.16	*15*,15	B
6685	61	d 3, 1 e	8.31	*20*,20	B
6692	15	d 2, 1 e	8.26	*25*,25	Bd
6692	4	d 2, 1 e	8.26	*25*,25	B
6692	13	d 2, 1 e	8.26	*25*,25	B
6694	61	c 1, 1 d	7.67	*04*,04	B
6694	60	d 2, 3 e	8.16	*15*,15	B
6705	63	c 3, 2 d	7.72	11,*11*	B
6711	65	d 2, 3 e	8.16	*15*,15	B
6715	63	d 2, 3 e	8.16	*15*,15	B
6724	60	f 2, 3 g	8.70	13,*12*	B
6725	63	e 1, 2 f	8.57	14,*14*	B
6727	63	e 2, 1 f	8.67	14,*14*	B
6743	63	f 2, 1 g	8.80	03,*02*	B
6745	61	g 3, 2 h	9.22	*04*,04	B
6752	60	g 3, 2 h	9.22	*04*,04	B
6753	60	g 2, 2 h	9.17	*09*,09	B
6755	60	g 3, 1 h	9.27	*09*,09	B
6759	60	g 1, 3 h	9.07	*09*,09	B
6761	60	k 1, 2 l	9.62	04,*04*	B
6765	67	g 3, 2 h	9.22	*04*,04	B
6766	60	g 4, 2 h	9.27	01,*01*	B
6766	60	g 2, 1 h	9.22	*14*,14	Bd
6782	72	l 3, 2 m	10.03	05,*05*	B
6787	72	m 2, 2 n	10.30	08,*07*	B
6790	60	l 2, 1 m	10.03	*05*,05	B
6790	44	m 2, 1 n	10.36	02,*03*	B
6933	62	l 2, 1 m	10.03	*05*,05	B
6938	60	l 2, 1 m	10.03	*05*,05	B
6957	61	g 3, 2 h	9.22	*04*,04	B
6964	65	g 2, 1 h	9.22	*14*,14	B
6968	60	g 3, 1 h	9.27	*09*,09	B
6975	60	g 2, 3 h	9.12	*04*,04	B
6977	67	f 2, 2 g	8.76	07,*08*	B
6979	61	f 2, 1 g	8.80	03,*02*	B
6979	63	f 2, 1 g	8.80	03,*02*	B
6981	11	g 1, 2 h	9.12	*14*,14	B
6981	11	f 2, 1 g	8.80	03,*02*	B
6988	60	d 3, 1 e	8.31	*20*,20	B
6992	62	d 2, 1 e	8.26	*25*,25	B
6999	59	d 2, 3 e	8.16	*15*,15	B
7001	62	c 3, 2 d	7.72	11,*11*	B
7004	61	c 3, 1 d	7.77	06,*06*	B
7006	65	c 2, 1 d	7.72	01,*01*	Bp
7007	63	c 3, 2 d	7.72	11,*11*	B
7009	10	d 1, 2 e	8.16	*25*,25	B
7010	13	d 3, 2 e	8.26	*15*,15	B
7017	11	d 3	8.11	A	Be
7017	61	d 2, 3 e	8.16	*15*,15	B
7019	67	d 2, 3 e	8.16	*15*,15	B
7028	63	d 2, 3 e	8.16	*15*,15	B
7038	60	e 2, 3 f	8.57	24,*24*	B
7038	12	d 3, 1 e	8.31	*20*,20	B
7039	10	g 1, 3 h	9.07	*09*,09	B
7049	60	f 2, 2 g	8.76	07,*08*	B
7051	60	e 2, 1 f	8.67	14,*14*	B
7068	60	g 2, 2 h	9.17	*09*,09	B
7068	60	g 3, 2 h	9.22	*04*,04	B
7075	61	k 3, 1 l	9.77	09,*09*	B
7076	11	l 2, 3 m	9.93	05,*05*	B
7080	10	l 1, 2 m	9.93	*05*,05	B
7094	60	n 3, 4 o	10.63	10,*10*	B
7096	64	l 2, 1 m	10.03	*05*,05	Be
7105	60	n 2, 3 o	10.63	00,00	B
7105	60	n 3, 2 o	10.73	00,00	B
7124	60	p 3, 1 q	11.59	*11*,11	B
7125	13	o 2, 1 p	11.10	03,*02*	B
7128	10	p 1, 2 q	11.44	*16*,16	B
7163	60	p 3, 1 q	11.59	*11*,11	B

171. *201152*. X Telescopii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1171	10	q 2, N	*12.3*		B
1192	10	p 2, 2 q	11.97	06,*06*	B
1203	60	r 1, 1 s	12.42	01,*01*	B
1240	60	s 1, 1 t	12.57	04,*04*	B
1249	60	t 1, N	*12.7*		B
1262	60	q 1, N	*12.2*		B
1490	10	p 2, N	*12.0*		B
1509	10	o 1, N	*11.6*		B
1627	20	r 1, N	*12.4*		B
1633	15	t 1, N	*12.7*		B
1894	12	p 1, N	*11.9*		B
2261	10	p 2, N	*12.0*		B
2350	10	q 3, N	*12.4*		B
2639	10	n 1, 2 o	11.46	07,*08*	B
2642	10	n 2, 1 o	11.56	07,*08*	B
2642	10	n 2, 1 o	11.56	07,*08*	B
3031	10	q 2, 1 r	12.27	04,*04*	B
3052	10	r 1, 1 s	12.42	01,*01*	B
3087	10	o 1, N	*11.6*		B
3323	10	p 2, 2 q	11.97	06,*06*	B
3351	10	r 1, 1 s	12.42	01,*01*	B
3357	10	r 1	12.43	A	B
3378	10	q 2, 1 r	12.27	04,*04*	B
3406	10	r 1	12.43	A	B
3497	10	t 1, N	*12.7*		B
3715	31	t 2, N	*12.8*		Bp
3744	12	q 1, 1 r	12.22	*01*,01	B
3845	10	p 1, 2 q	11.92	01,*01*	B
3847	11	o 2, 1 p	11.76	02,*03*	B
4086	11	s 1, N	*12.6*		B
4125	10	n 1, N	*11.5*		B
4202	12	l 2, 1 m	11.14	02,*03*	B
4202	11	l 1, 2 m	11.04	02,*03*	B
4410	10	q 1, N	*12.2*		B
4426	14	n 1, N	*11.5*		B
4520	60	n 2, 2 o	11.50	13,*12*	B
4585	10	s 1	12.61	A	B
4605	10	r 3, N	*12.6*		B
4765	10	h 2, 1 k	10.52	01,*01*	B
4779	11	h 2, 1 k	10.52	01,*01*	B
4805	10	k 1, 3 l	10.68	03,*02*	B
4808	*60*	h 2, 2 k	10.47	06,*06*	B
4811	*60*	h 3, 2 k	10.52	11,*11*	B
4814	*64*	h 1, 2 k	10.42	01,*01*	Bd
4818	*240*	k 2, 2 l	10.78	03,*02*	B
4823	10	k 2, 0 l, 2 m	10.93	*12*,03, 08	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
171. *201152.* X TELESCOPII.						176. 201434. AU CYGNI.						176. 201434. AU CYGNI.					
	m.						m.						m.				
4823	10	l 1, 2 m	11.04	02,*03*	B	1584	15	n 1, N	*13.0*		B	4768	19	q 1, N	*13.7*		B
4832	10	l 2, 1 m	11.14	02,*03*	B	1585	51	m 1, N	*12.7*		B	4798	14	r 1, N	*14.1*		B
4854	10	o 1, 1 p	11.70	*02*,03	B	1907	10	f 2, 1 g	10.96	*02*,03	B	4840	23	o 1, N	*13.3*		B
4881	10	s 0	12.51	A	B	1935	13	h 1, 3 k	11.50	07,*08*	B	4921	14	g 1, 2 h	11.23	*04*,04	B
4882	10	q 1	12.21	A	B	1955	13	m 2, N	*12.8*		B	4941	66	f 1, 2 g	10.86	*02*,03	B
4884	12	t 1, 2 u	12.76	*03*,02	B	2002	20	m 1, N	*12.7*		B	4965	89	g 1, 2 h	11.23	*04*,04	B
4904	60	w 2, 2 x	13.60	*02*,03	B	2062	10	o 2, N	*13.4*		B	5124	11	p 2, N	*13.4*		B
4941	15	t 1, N	*12.7*		B	2068	13	o 1, N	*13.3*		B	5267	12	s 2, 2 t	14.30	02,*03*	B
4972	11	t 1, N	*12.7*		B	2345	20	k 3, 2 l	12.11	*09*,09	B	5289	26	q 3	13.91	A	B
5164	10	p 2, 1 q	12.02	01,*01*	B	2350	10	k 3, 1 l	12.16	*14*,14	B	5313	13	p 2, N	*13.4*		B
5171	61	p 2, 1 q	12.02	01,*01*	B	2352	19	l 1, 1 m	12.52	*02*,03	B	5371	71	d 3, 2 e	10.36	04,*04*	B
5171	60	q 2, 1 r	12.27	04,*04*	B	2357	10	k 1, 2 l	12.01	*19*,19	B	5376	63	d 3, 2 e	10.36	04,*04*	B
5267	10	t 1, N	*12.7*		B	2360	10	m 1, 2 n	12.75	00,00	B	5556	60	q 3, 2 r	13.86	05,*04*	B
5276	10	s 1, N	*12.6*		B	2371	14	m 2, 1 n	12.85	00,00	B	5634	27	q 1, N	*13.7*		B
5534	10	t 3, 1 u	12.90	03,*02*	B	2378	16	p 2, 2 q	13.44	03,*03*	B	5658	10	q 2, N	*13.8*		B
5586	62	t 4, N	*13.0*		B	2436	11	l 2, N	*12.6*		B	5710	15	q 2, N	*13.8*		B
5614	60	t 3, N	*12.9*		B	2655	18	p 1, N	*13.3*		B	5723	105	q 2, N	*13.8*		B
5639	60	t 2, N	*12.8*		B	2678	12	p 3	13.57	A	B	5928	22	p 3, 2 q	13.49	08,*08*	B
5869	10	t 3, N	*12.9*		B	2683	13	n 2, N	*13.1*		B	6033	23	p 1, N	*13.3*		B
5929	61	t 4, N	*13.0*		B	2715	69	e 3, 2 f	10.68	14,*14*	B	"	"	q 1, N	*13.7*		B
5961	65	w 2, 3 x	13.56	02,*03*	B	2716	12	f 1, 2 g	10.86	*02*,03	B	6258	40	e 3, 2 f	10.68	14,*14*	B
6032	10	k 3, 2 l	10.84	07,*08*	B	2719	28	e 2, 3 f	10.58	14,*14*	B	6259	13	e 1, 2 f	10.58	04,*04*	B
6032	10	k 3, 1 l	10.88	03,*02*	B	2790	11	k 2, 1 l	12.11	*19*,19	B	6289	78	d 5, 1 e	10.51	09,*09*	B
6032	10	l 3, 2 m	11.14	12,*13*	B	2790	21	k 1, 2 l	12.01	*19*,19	B	6309	60	f 1, 3 g	10.82	02,*03*	B
6229	61	t 2, N	*12.8*		B	3059	10	p 1, N	*13.3*		B	6311	61	f 4, 3 g	10.96	18,*17*	B
6253	10	t 2, N	*12.8*		B	3063	15	p 2, N	*13.4*		B	6322	10	g 1, 2 h	11.23	*04*,04	B
6286	60	r 3, 2 s	12.47	16,*16*	B	3093	11	o 2, N	*13.4*		B	6323	132	g 1, 2 h	11.23	*04*,04	B
6302	10	o 2, 1 p	11.76	02,*03*	B	3108	15	o 1	13.34	A	B	6386	11	o 2, 1 p	13.30	14,*13*	B
6309	10	l 3, 1 m	11.18	08,*07*	B	3113	10	p 2, 2 q	13.44	03,*03*	B	6394	15	n 2, 2 o	13.10	05,*06*	B
6326	61	k 1, 2 l	10.74	*03*,02	B	3155	22	f 2, 3 g	10.86	08,*07*	B	6394	10	n 1, 2 o	13.04	01,00	B
6359	10	l 3, 1 m	11.18	08,*07*	B	3300	11	p 1, 3 q	13.34	03,*03*	B	6394	10	n 2	13.15	A	B
6605	10	q 3, 1 r	12.32	09,*09*	B	3385	18	q 1, N	*13.7*		B	6401	18	n 2, 1 o	13.14	01,00	B
6605	10	r 2, 1 s	12.47	06,*06*	B	3414	15	p 2, N	*13.4*		B	6402	10	p 2, 1 q	13.49	*02*,02	B
6606	10	r 1	12.43	A	B	3475	19	q 1, N	*13.7*		B	6406	15	o 1, 1 p	13.26	08,*09*	B
6626	10	n 2, 3 o	11.46	17,*18*	B	3497	19	p 1, N	*13.3*		B	6407	15	p 2, 2 q	13.44	03,*03*	B
6682	12	n 2, 1 o	11.56	07,*08*	B	3646	11	h 2, 1 k	11.64	03,*02*	B	6408	19	p 1, 2 q	13.39	*02*,02	B
6981	10	o 3, 1 p	11.80	08,*07*	B	3672	10	l 2, 2 m	12.52	08,*07*	B	6461	16	q 2, N	*13.8*		B
6981	11	o 2, 2 p	11.70	08,*07*	B	3721	54	n 1, N	*13.0*		B	6652	60	p 2, 3 q	13.39	08,*08*	B
7010	10	r 3, 2 s	12.47	16,*16*	B	3842	11	m 2, 1 n	12.85	00,00	B	6664	63	h 4, 2 k	11.70	17,*18*	B
7018	10	r 2, 3 s	12.37	16,*16*	B	3857	10	q 1, N	*13.7*		B	6680	92	h 3, 3 k	11.60	17,*18*	B
7038	11	s 3, 1 t	12.77	04,*04*	B	4078	*60*	m 2, 2 n	12.80	05,*05*	B	6692	67	e 3, 2 f	10.68	14,*14*	B
7083	220	x 2, 4 y	13.98	05,*05*	B	4185	13	p 1, N	*13.3*		B	6693	58	f 1, 3 g	10.82	02,*03*	B
7095	10	r 2, N	*12.5*		B	4186	10	q 1	13.71	A	Br	6708	80	d 3, 2 e	10.36	04,*04*	Bi
						4187	15	p 3, 1 q	13.54	03,*03*	B	6717	92	e 2, 1 f	10.68	04,*04*	B
						4478	15	g 1, 2 h	11.23	*04*,04	B	6719	79	f 1, 3 g	10.82	02,*03*	B
						4529	10	k 3, 1 l	12.16	*14*,14	B	6724	78	f 1, 3 g	10.82	02,*03*	B
						4554	*82*	n 1, N	*13.0*		Be	6731	73	f 2, 3 g	10.86	08,*07*	B

176. 201434. AU Cygni.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6745	113	h 2, 2 k	11.60	07,*08*	B
6752	60	h 2, 3 k	11.54	13,*12*	B
6761	52	h 2, 3 k	11.54	13,*12*	B
6771	67	h 2, 1 k	11.64	03,*02*	B
6782	130	k 1, 2 l	12.01	*19*,19	B
6793	90	k 2	11.92	A	B
6793	74	k 1, 2 l	12.01	*19*,19	B
6794	80	k 2, 1 l	12.11	*19*,19	B
6799	68	m 2, 1 n	12.85	00,00	Bd
6800	74	m 2, 1 n	12.85	00,00	Bd
6817	74	n 1, 2 o	13.04	01,00	Bd
7036	62	f 1, N	*10.8*		B
7111	*78*	f 2, 1 g	10.96	*02*,03	B
7115	68	e 2, 1 f	10.68	04,*04*	B
7122	71	d 1, 3 e	10.21	*01*,01	B
7125	10	b 2, 1 c	9.60	03,*02*	B
7126	20	b 3, 1 c	9.66	07,*08*	B
7126	74	d 1, 3 e	10.21	*01*,01	B
7127	62	d 1, 3 e	10.21	*01*,01	B
7127	68	d 2, 3 e	10.26	04,*04*	B
7142	*60*	c 1, 2 d	9.84	*06*,06	B
7142	*60*	c 1, 2 d	9.84	*06*,06	B
7145	70	b 2, 2 c	9.56	07,*08*	B
7154	60	c 2, 3 d	9.84	04,*04*	B
7159	102	c 1, 3 d	9.79	*01*,01	B
7159	10	b 2, 2 c	9.56	07,*08*	B
7160	83	c 3, 2 d	9.94	04,*04*	B
7161	59	b 4, 2 c	9.66	17,*18*	B
7207	90	f 2, 1 g	10.96	*02*,03	B

178. *202240*. U Microscopii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1171	10	b 1, 6 d	8.72	10,*10*	Fe
1171	7	b 1, 5 d	8.77	05,*05*	Fe
1174	8	a 2, 2 b	8.52	00,00	F
1175	60	a 1, 2 b	8.47	*05*,05	F
1189	60	d 2, 2 e	9.40	02,*03*	F
1192	10	d 2, 2 e	9.40	02,*03*	F
1201	60	e 2, 2 f	9.74	03,*02*	F
1207	60	e 2, 2 f	9.74	03,*02*	F
1283	11	l 2, N	*11.5*		F
1284	10	k 3, N	*11.3*		F
1883	10	f 4, 0 g, 3 h	10.32	00,*05*, 05	F
1883	10	f 3, 1 g	10.20	02,*03*	F
1886	10	f 4, 0 g, 4 h	10.29	03,*02*, *02*	F
2310	*62*	e 3, N	*9.8*		F
2327	*107*	g 1, N	*10.3*		F
2365	*60*	d 2, N	*9.4*		F
2642	10	m 3, 3 n	11.92	10,*10*	F
2669	10	m 3, 1 n	12.02	00,00	F
2730	10	m 4, 0 n	12.12	00,00	F
2760	10	h 1, 3 k	10.76	01,*01*	F
2785	10	a 2, 2 b	8.52	00,00	F
2949	10	l 3, N	*11.6*		F
3052	10	m 1, 3 n	11.82	00,00	F
3062	31	l 3, 1 m	11.64	03,*02*	F
3090	29	e 3, 1 f	9.84	03,*02*	F
3099	65	d 4, 0 e	9.60	02,*03*	Fe
3294	30	n 3, N	*12.4*		F
3324	10	n 4, N	*12.5*		F
3377	10	n 3, N	*12.4*		F
3409	10	l 2, 2 m	11.54	03,*02*	F
3426	10	f 3, 1 g	10.20	02,*03*	F
3442	10	d 3, 1 e	9.50	02,*03*	F
3481	10	e 2, 2 f	9.74	03,*02*	F
3497	10	e 2, 1 f	9.80	*03*,02	F
3498	10	e 2, 1 f	9.80	*03*,02	F
3499	11	e 2, 2 f	9.74	03,*02*	F
3663	20	m 3, N	*12.0*		F
3730	11	m 1, N	*11.8*		F
3743	12	h 3, 1 k	10.96	01,*01*	F
3752	16	g 2, 2 h	10.47	00,00	F
3759	10	e 2, 1 f	9.80	*03*,02	B
3759	12	e 3, 1 f	9.84	03,*02*	F
3778	*92*	d 1, 3 e	9.30	02,*03*	F
3786	15	a 2, 2 b	8.52	00,00	F
3803	12	d 2, 3 e	9.34	08,*07*	B
3803	*60*	d 2, 2 e	9.40	02,*03*	B
3803	*60*	d 2, 1 e	9.44	*02*,03	B
3831	10	d 2, 1 e	9.44	*02*,03	B
3839	14	e 3, 3 f	9.74	13,*12*	B
3845	10	e 1, 2 f	9.70	*03*,02	Be
3845	10	e 2, 3 f	9.70	07,*08*	B
3860	15	f 2, 2 g	10.10	02,*03*	B
3889	13	g 3, 2 h	10.52	05,*05*	B
4057	13	n 1, N	*12.2*		B
4071	10	k 2, 3 l	11.16	09,*09*	B
4074	10	h 2, 1 k	10.91	*04*,04	B
4085	10	e 2, 1 f	9.80	*03*,02	B
4086	10	d 3, 0 e, 2 f	9.60	*03*,*03*, 12	B
4107	10	c 2, 3 d	9.06	14,*14*	B
4154	*60*	d 1, 2 e	9.34	*02*,03	B
4181	10	e 2, 1 f	9.80	*03*,02	B
4202	10	g 3, 2 h	10.52	05,*05*	B
4253	10	m 1, 3 n	11.82	00,00	B
4410	10	h 3, 2 k	10.91	06,*06*	B
4426	13	e 2, 1 f	9.80	*03*,02	B
4435	14	e 1, 2 f	9.70	*03*,02	B
4435	11	e 1, 3 f	9.64	03,*02*	B
4437	10	d 3, 1 e	9.50	02,*03*	B
4448	11	d 1, 3 e	9.30	02,*03*	B
4451	11	d 2, 1 e	9.44	*02*,03	B
4461	10	d 1, 2 e	9.34	*02*,03	B
4520	60	g 1, 2 h	10.42	*05*,05	B
4576	10	l 1	11.47	A	B
4605	10	n 1, 2 o	12.24	*02*,02	B
4795	10	a 3, 1 b	8.62	00,00	B
4805	10	c 2	9.20	A	Be
4822	10	d 3, 3 e	9.40	12,*13*	B
4826	12	d 3, 2 e	9.44	08,*07*	B
4841	10	e 2, 3 f	9.70	07,*08*	B
4861	78	f 3, 1 g	10.20	02,*03*	B
4863	75	f 3, 3 g	10.10	12,*13*	B
4867	60	f 2, 3 g	10.04	08,*07*	B
4874	67	f 3, 2 g	10.14	08,*07*	B
4881	10	g 3, 2 h	10.52	05,*05*	B
4882	10	g 3, 2 h	10.52	05,*05*	B
4884	10	g 3, 2 h	10.52	05,*05*	B
4891	64	g 3, 2 h	10.52	05,*05*	B
4898	74	h 2	10.87	A	B
4972	11	n 3, 0 o	12.44	*02*,02	B
5144	50	A 4, 2 a	8.17	05,*05*	B
5148	59	a 1, 2 b	8.47	*05*,05	B
5157	11	c 2, 3 d	9.07	15,*15*	B
5158	10	1 c	8.90	A	Be
5164	10	d 1, 3 e	9.30	02,*03*	B
5168	65	d 2, 3 e	9.34	08,*07*	B
5198	72	e 3, 1 f	9.84	03,*02*	B
5224	60	f 3, 1 g	10.20	02,*03*	Bi
5231	68	g 3, 2 h	10.52	05,*05*	Bi
5276	11	l 3, 2 m	11.60	07,*08*	B
5292	60	m 2, 2 n	11.92	00,00	B
5297	12	n 1, N	*12.2*		B
5526	61	f 3, 2 g	10.14	08,*07*	B
5532	60	f 2, 1 g	10.14	*02*,03	B
5533	61	f 2, 1 g	10.14	*02*,03	B

178. *202240*. U Microscopii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5534	10	g 3, 1 h	10.57	00,00	B
5541	12	g 3, 1 h	10.57	00,00	B
5542	61	h 2	10.87	A	B
5543	60	h 3	10.97	A	B
5547	60	g 2, 1 h	10.52	*05*,05	B
5548	60	h 2, 2 k	10.86	01,*01*	B
5588	60	l 3, 0 m, 3 n	11.74	*07*,*02*, 08	B
5869	10	f 3, 1 g	10.20	02,*03*	B
5869	60	g 1, 2 h	10.42	*05*,05	B
5884	10	g 3, 2 h	10.52	05,*05*	B
5887	60	f 3, 1 g	10.20	02,*03*	B
5896	60	g 2, 1 h	10.52	*05*,05	B
5943	61	l 3, 2 m	11.60	07,*08*	B
6093	63	e 1, 3 f	9.64	03,*02*	B
6249	10	k 2, 2 l	11.21	04,*04*	B
6249	12	k 1, 3 l	11.11	04,*04*	B
6253	10	k 3, 0 l, 2 m	11.41	*06*,*04*, 11	B
6267	62	l 2, 2 m	11.54	03,*02*	B
6320	62	o 2, 3 p	12.64	02,*03*	B
6321	60	m 1	11.82	A	Be
6341	48	o 2, 2 p	12.68	*02*,03	B
6376	60	n 3, 1 o	12.39	03,*03*	B
6438	60	d 3, 2 e	9.44	08,*07*	B
6461	62	c 3, 1 d	9.21	09,*09*	B
6605	10	n 3, 2 o	12.34	08,*08*	B
6638	60	n 2, 0 o	12.39	*07*,07	B
6737	*60*	k 1, N	*11.1*		B
6766	60	f 1, 3 g	10.00	02,*03*	B
6782	72	d 3, 1 e	9.50	02,*03*	B
6787	72	d 3, 1 e	9.50	02,*03*	B
6790	60	d 2, 1 e	9.44	*02*,03	B
6790	44	d 3, 2 e	9.44	08,*07*	B
6802	68	d 1, 3 e	9.30	02,*03*	B
6981	11	n 2, N	*12.3*		B
7010	13	n 2, N	*12.3*		B
7038	12	n 1, N	*12.2*		B
7076	11	m 1, N	*11.8*		B
7094	60	g 2, 2 h	10.47	00,00	B
7096	64	g 3, 2 h	10.52	05,*05*	B
7105	60	f 2, 3 g	10.04	08,*07*	B
7105	60	e 2, 3 f	9.70	07,*08*	B
7121	60	d 2, 1 e	9.44	*02*,03	B
7124	60	d 2, 1 e	9.44	*02*,03	B
7128	62	d 1, 3 e	9.30	02,*03*	B
7128	10	d 2, 3 e	9.34	08,*07*	B
7163	60	d 4, 3 e	9.44	18,*17*	B
7174	62	e 2, 3 f	9.70	07,*08*	B

182. *203429*. R Microscopii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1192	10	l 3, N	*11.3*		F
1217	60	l 3, 1 m	11.39	*01*,01	B
1220	60	m 2, 4 n	11.82	*12*,13	B
1266	60	d 5, 1 e	9.40	*07*,08	F
1283	10	f 4, 2 g	10.06	*03*,02	B
1512	60	k 3, 1 l	10.93	*05*,05	B
1874	11	l 5, N	*11.5*		F
1886	11	l 4, N	*11.4*		F
2263	10	f 2, 4 g	9.86	*03*,02	B
2666	10	d 5, 2 e	9.36	*03*,02	F
2666	10	d 2, 2 e	9.20	*17*,18	F
2670	10	d 4, 2 e	9.30	*07*,08	F
2670	13	d 5, 1 e	9.40	*07*,08	F
2938	12	e 1, 4 f	9.46	22,*23*	F
3052	11	f 2, 2 g	9.96	*13*,12	B
3052	10	g 2, 2 h	10.38	10,*10*	B
3103	*70*	d 3, 1 e	9.30	*17*,18	B
3145	10	p 2, 1 q	13.10	*03*,04	B
3309	10	o 1, N	*12.6*		B
3324	10	m 2, 1 n	11.98	*28*,27	B
3348	10	f 2, 3 g	9.90	*07*,08	B
3351	10	e 2, 2 f	9.60	18,*17*	B
3359	*60*	d 2, 2 e	9.20	*17*,18	B
3374	*60*	d 2, 2 e	9.20	*17*,18	B
3377	10	d 2, 1 e	9.26	*23*,22	B
3377	10	d 2, 3 e	9.16	*13*,12	B
3378	10	d 3, 3 e	9.20	*07*,08	B
3385	10	e 2, 1 f	9.66	12,*13*	B
3401	10	k 2, 2 l	10.83	*05*,05	B
3426	10	n 2, 1 o	12.51	04,*04*	B
3443	12	q 2, 1 r	13.44	00,00	B
3443	10	q 2, 1 r	13.44	00,00	B
3481	15	h 2, 1 k	10.58	10,*10*	B
3499	10	d 3, 2 e	9.26	*13*,12	B
3645	15	d 3, 3 e	9.20	*07*,08	B
3658	10	e 2, 1 f	9.66	12,*13*	B
3702	8	m 2, 2 n	11.92	*22*,23	B
3715	14	n 2, 1 o	12.51	04,*04*	B
3741	17	o 2, 1 p	12.77	00,00	B
3743	12	m 3, 1 n	12.02	*22*,23	B
3751	20	l 2, 1 m	11.34	*06*,06	B
3761	12	k 1, 2 l	10.78	*10*,10	B
3801	10	d 3, 3 e	9.20	*07*,08	B
3803	12	e 1, 2 f	9.56	12,*13*	B
3826	10	k 1, 2 l	10.78	*10*,10	B
3826	11	k 2, 2 l	10.83	*05*,05	B
3833	16	m 2, 2 n	11.92	*22*,23	B
3845	10	o 1	12.67	A	B
3870	18	p 1, N	*12.9*		B
3891	17	m 3, 2 n	11.98	*18*,17	B
3894	15	l 2, 2 m	11.29	*01*,01	B
4066	15	e 3, 1 f	9.70	18,*17*	B
4074	13	e 1, 2 f	9.56	12,*13*	B
4076	10	f 1, 3 g	9.86	*13*,12	B
4084	20	f 2, 2 g	9.96	*13*,12	B
4086	10	f 3	9.93	A	Be
4086	10	f 2, 3 g	9.90	*07*,08	B
4099	10	h 2, 1 k	10.58	10,*10*	B
4107	16	l 1, 2 m	11.24	*06*,06	B
4112	10	m 2, 3 n	11.88	*18*,17	B
4163	11	m 2, N	*11.7*		B
4182	10	k 1, 2 l	10.78	*10*,10	B
4215	19	d 3, 1 e	9.30	*17*,18	B
4226	10	f 2, 3 g	9.90	*07*,08	B
4239	10	h 1, 1 k	10.53	05,*05*	B
4239	12	g 2, 1 h	10.43	05,*05*	B
4246	10	k 3, 1 l	10.93	*05*,05	B
4426	12	l 2, 1 m	11.34	*06*,06	B
4437	13	l 2, 1 m	11.34	*06*,06	B
4454	10	f 3, 2 g	10.00	*07*,08	B
4571	10	n 1, N	*12.4*		B
4587	10	k 2, 3 l	10.78	00,00	B
4604	11	f 1, 2 g	9.90	*17*,18	B
4617	10	d 2, 2 e	9.20	*17*,18	B
4825	10	q 1, N	*13.3*		B
4861	78	h 1, 2 k	10.48	10,*10*	B
4863	75	k 2, 2 l	10.83	*05*,05	B
4867	60	g 2, 1 h	10.43	05,*05*	B
4874	67	f 2, 3 g	9.90	*07*,08	B
4875	71	f 1, 3 g	9.86	*13*,12	B
4882	13	d 2, 1 e	9.26	*23*,22	B
4884	10	d 3, 2 e	9.26	*13*,12	B
4890	60	d 3, 3 e	9.20	*07*,08	B
4891	64	d 3, 2 e	9.26	*13*,12	B
4892	100	d 3, 2 e	9.26	*13*,12	B
4898	74	d 3, 1 e	9.30	*17*,18	B
4904	68	e 1, 2 f	9.56	12,*13*	B
4972	12	q 2, N	*13.4*		B

182. *203429.* R MICROSCOPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5148	59	g 2	10.48	A	B
5157	10	f 3, 2 g	10.00	*07*,08	B
5158	11	e 3, 1 f	9.70	18,*17*	B
5168	65	e 2, 1 f	9.66	12,*13*	B
5262	12	n 2, 2 o	12.46	09,*09*	B
5275	10	k 1, 2 l	10.78	*10*,10	B
5283	60	f 3, 2 g	10.00	*07*,08	B
5308	60	d 2, 3 e	9.16	*13*,12	B
5318	60	d 3, 2 e	9.26	*13*,12	B
5534	10	m 1, 2 n	11.88	*28*,27	B
5547	10	l 1, 2 m	11.24	*06*,06	B
5548	61	k 2, 1 l	10.88	*10*,10	Be
5571	62	d 3, 2 e	9.26	*13*,12	B
5591	15	d 3, 2 e	9.26	*13*,12	B
5603	62	f 2, 3 g	9.90	*07*,08	B
5604	60	f 3, 1 g	10.06	*13*,12	B
5607	65	f 4, 1 g	10.10	*07*,08	B
5607	60	f 3, 1 g	10.06	*13*,12	B
5607	61	f 2, 1 g	10.00	*17*,18	B
5620	10	l 2, 1 m	11.34	*06*,06	B
5668	11	k 2, N	*10.7*		B
5869	60	d 4, 1 e	9.36	*13*,12	B
5880	60	e 2, 2 f	9.60	18,*17*	B
5884	10	f 1, 2 g	9.90	*17*,18	B
5886	10	f 2, 2 g	9.96	*13*,12	B
5886	60	f 2, 3 g	9.90	*07*,08	B
5887	60	f 3, 2 g	10.00	*07*,08	B
5896	60	h 2, 2 k	10.53	15,*15*	B
6008	60	g 1, 2 h	10.33	05,*05*	B
6009	62	g 1, 2 h	10.33	05,*05*	B
6030	60	f 3, 1 g	10.06	*13*,12	B
6032	10	h 1, 2 k	10.48	10,*10*	B
6032	10	g 1, 2 h	10.33	05,*05*	B
6033	60	g 3, 2 h	10.43	15,*15*	B
6060	60	l 3, 1 m	11.39	*01*,01	B
6253	10	k 2, 1 l	10.88	*10*,10	B
6253	60	k 3, 1 l	10.93	*05*,05	B
6254	10	k 2, 1 l	10.88	*10*,10	B
6267	60	g 1	10.38	A	B
6267	61	f 3, 1 g	10.06	*13*,12	B
6268	64	g 2, 1 h	10.43	05,*05*	B
6272	62	f 2, 2 g	9.96	*13*,12	B
6272	60	f 2, 3 g	9.90	*07*,08	B
6288	60	e 2, 1 f	9.66	12,*13*	B
6288	60	e 2, 2 f	9.60	18,*17*	B
6292	60	e 2, 1 f	9.66	12,*13*	B
6298	60	f 1, 2 g	9.90	*17*,18	B

182. *203429.* R MICROSCOPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6298	60	f 2, 3 g	9.90	*07*,08	B
6308	64	k 2	10.78	A	B
6310	60	h 1, 2 k	10.48	10,*10*	B
6316	60	l 2, 2 m	11.29	*01*,01	B
6321	60	l 2, 1 m	11.34	*06*,06	B
6350	52	q 1, N	*13.3*		B
6368	47	q 1, N	*13.3*		B
6375	60	p 2, 1 q	13.10	*03*,04	B
6396	65	k 1, 2 l	10.78	*10*,10	B
6396	60	h 2, 1 k	10.58	10,*10*	B
6398	71	g 2, 3 h	10.33	15,*15*	B
6398	67	k 1, 1 l	10.83	*15*,15	Br
6408	60	f 3	9.93	A	B
6438	60	f 3, 3 g	9.96	*03*,02	B
6605	10	l 2, 1 m	11.34	*06*,06	B
6610	11	m 3, 2 n	11.98	*18*,17	B
6613	60	l 3, 2 m	11.34	04,*04*	B
6634	11	n 1, 2 o	12.41	04,*04*	B
6641	10	m 3, 2 n	11.98	*18*,17	B
6641	60	m 2, 2 n	11.92	*22*,23	B
6642	60	m 3, 1 n	12.02	*22*,23	B
6647	60	l 3, 2 m	11.34	04,*04*	B
6654	61	k 2, 1 l	10.88	*10*,10	B
6655	60	k 3, 1 l	10.93	*05*,05	B
6667	61	g 2, 2 h	10.38	10,*10*	B
6667	61	g 1, 2 h	10.33	05,*05*	B
6668	60	f 2, 1 g	10.00	*17*,18	B
6669	60	f 2, 1 g	10.00	*17*,18	B
6675	69	g 1	10.38	A	B
6682	60	d 3, 1 e	9.30	*17*,18	B
6682	62	d 3, 1 e	9.30	*17*,18	B
6683	12	d 2, 3 e	9.16	*13*,12	B
6684	66	d 3, 2 e	9.26	*13*,12	B
6694	60	d 3, 3 e	9.20	*07*,08	B
6694	60	d 3, 2 e	9.26	*13*,12	B
6711	84	f 1, 3 g	9.86	*13*,12	B
6711	65	f 1, 3 g	9.86	*13*,12	B
6712	65	f 1, 3 g	9.86	*13*,12	B
6725	63	g 3, 1 h	10.48	10,*10*	B
6732	*60*	k 2, 3 l	10.78	00,00	B
6787	72	l 1	11.18	A	B
6802	68	h 2, 1 k	10.58	10,*10*	B
6957	61	f 3, 2 g	10.00	*07*,08	B
6968	60	f 3, 3 g	9.96	*03*,02	B
6975	61	f 1, 3 g	9.86	*13*,12	B
6979	61	e 3, 0 f, 2 g	10.08	02,*23*, 22	B

182. *203429.* R MICROSCOPII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6979	63	f 3, 2 g	10.00	*07*,08	B
6981	10	e 3, 2 f	9.66	22,*23*	B
6988	10	f 2, 1 g	10.00	*17*,18	B
6992	62	f 2, 3 g	9.90	*07*,08	B
7001	60	k 2, 1 l	10.88	*10*,10	B
7004	61	l 2, 2 m	11.29	*01*,01	B
7010	10	m 1, 3 n	11.82	*22*,23	B
7069	14	n 1	12.45	A	B
7075	61	l 2, 2 m	11.29	*01*,01	B
7076	12	l 2, 1 m	11.34	*06*,06	B
7077	60	l 2, 1 m	11.34	*06*,06	B
7094	60	e 3, 2 f	9.66	22,*23*	B
7105	60	e 1, 3 f	9.50	18,*17*	B
7105	60	e 2, 2 f	9.60	18,*17*	B
7107	60	e 1, 2 f	9.56	12,*13*	B
7117	63	d 3, 1 e	9.30	*17*,18	B
7121	60	f 2, 3 g	9.90	*07*,08	B
7124	60	g 2, 2 h	10.38	10,*10*	B
7128	57	f 3, 2 g	10.00	*07*,08	B
7128	62	f 2, 2 g	9.96	*13*,12	B

183. *204104.* W AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1680	*62*	f 2	9.07	A	Bd
1685	7	g 1, 2 h	9.37	00,00	B
1714	12	l 1, 3 m	10.25	*05*,05	B
1717	10	l 4, 2 m	10.45	05,*05*	B
1886	10	p 1, N	*11.4*		B
1886	10	p 2, N	*11.5*		B
1929	12	w 2, N	*12.9*		B
1956	23	p 1, N	*11.4*		B
2023	14	l 1, 4 m	10.20	00,00	B
2040	16	h 3, 2 k	9.76	11,*11*	B
2072	13	e 3, 1 f	8.64	*12*,13	B
2326	*68*	n 2, N	*11.0*		B
2372	14	t 2, 2 u	12.32	08,*07*	B
2423	14	l 2, 3 m	10.30	00,00	B
2670	10	w 2, N	*12.9*		B
2686	18	u 2, N	*12.6*		B
2705	12	u 1	12.55	A	B
2720	13	u 2, N	*12.6*		B
2770	18	n 2, 1 o	11.04	01,*01*	B
3052	10	w 2, N	*12.9*		B
3096	13	t 1, N	*12.3*		B
3139	10	q 1, 2 r	11.63	00,00	Bd
3146	10	m 1, 1 n	10.72	*02*,03	B

183. *204104*. W AQUARII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3146	10	n 2, 1 o	11.04	01,*01*	Br
3349	10	u 1, 2 w	12.52	03,*02*	B
3353	10	w 1, 3 x	12.77	03,*03*	B
3385	10	w 2, 1 x	12.92	*02*,02	B
3444	10	w 2, N	*12.9*		B
3497	10	w 2, 0 x	12.97	*07*,07	B
3504	10	u 1, N	*12.5*		B
3692	10	n 3, 0 o, 2 p	11.14	01,*01*, 01	B
3702	10	q 1, 2 r	11.63	00,00	B
3717	10	r 2, 2 s	11.96	07,*08*	B
3730	10	q 1, 2 r	11.63	00,00	B
3740	22	u 1, 2 w	12.52	03,*02*	B
3741	12	t 1, 2 u	12.28	02,*03*	B
3751	13	w 2	12.90	A	B
3761	15	w 3, 2 x	12.92	08,*08*	B
3786	22	w 1, N	*12.8*		B
3803	13	w 1, N	*12.8*		B
3806	17	w 1, N	*12.8*		B
3831	11	u 1, N	*12.5*		B
3873	20	w 2, N	*12.9*		B
3903	10	t 2, N	*12.4*		B
4027	12	g 2, 3 h	9.37	10,*10*	B
4030	10	g 1, 2 h	9.37	00,00	B
4036	10	g 2, 2 h	9.42	05,*05*	B
4057	10	l 1, 3 m	10.25	*05*,05	B
4074	11	l 3, 3 m	10.35	05,*05*	B
4074	10	l 3, 2 m	10.40	00,00	B
4094	10	o 2, 2 p	11.24	09,*09*	B
4097	12	p 2, 1 q	11.49	06,*06*	B
4107	16	q 2, 1 r	11.73	00,00	B
4108	18	p 2, 2 q	11.44	11,*11*	B
4112	10	p 2, 2 q	11.44	11,*11*	B
4136	10	t 2, 1 u	12.38	02,*03*	B
4154	36	w 2, N	*12.9*		B
4183	21	x 2, 1 y	13.26	*02*,01	B
4253	30	w 2, 0 x	12.97	*07*,07	B
4261	17	w 1, N	*12.8*		B
4383	10	k 1, 2 l	9.92	03,*02*	B
4430	10	n 2, 2 o	10.99	06,*06*	B
4435	10	n 1, 1 o	10.99	*04*,04	B
4522	23	w 2, 2 x	12.87	03,*03*	B
4539	59	w 3, 1 x	12.97	03,*03*	Bi
4542	86	u 1	12.55	A	B
4546	12	t 2, 1 u	12.38	02,*03*	B
4606	10	s 2, N	*12.2*		B
4766	10	e 3, 1 f	8.64	*12*,13	B
4780	12	e 4, 1 f	8.70	*08*,07	B
4783	10	e 3, 1 f	8.64	*12*,13	B
4784	10	f 1, 3 g	8.97	00,00	B
4805	10	g 2, 3 h	9.37	10,*10*	B
4825	10	l 1, 3 m	10.25	*05*,05	B
4835	11	l 2, 3 m	10.30	00,00	B
4842	10	l 3, 3 m	10.35	05,*05*	B
4847	10	l 2, 3 m	10.30	00,00	B
4855	11	m 1, 2 n	10.68	02,*03*	B
4862	74	l 3, 1 m	10.45	*05*,05	B
4863	17	p 2, 2 q	11.44	11,*11*	B
4891	17	r 2, 1 s	12.00	03,*02*	B
4907	10	t 1, N	*12.3*		B
4918	10	s 2, N	*12.2*		B
4948	19	w 1, N	*12.8*		B
5113	14	l 3, 2 m	10.40	00,00	B
5148	63	k 3, 1 l	10.08	07,*08*	B
5158	10	k 2, 2 l	9.98	07,*08*	B
5235	62	k 3, 1 l	10.08	07,*08*	B
5268	10	t 2, 1 u	12.38	02,*03*	B
5310	60	w 2, 1 x	12.92	*02*,02	B
5313	12	u 1	12.55	A	B
5527	61	e 4, 3 f	8.60	02,*03*	B
5532	60	e 4, 2 f	8.64	*02*,03	B
5534	10	e 3, 2 f	8.60	*08*,07	B
5546	42	f 1, 3 g	8.97	00,00	B
5547	44	f 2, 3 g	9.02	05,*05*	B
5552	59	g 1, 2 h	9.37	00,00	B
5557	61	g 2, 1 h	9.47	00,00	B
5561	10	k 1, 3 l	9.88	07,*08*	B
5562	10	h 1, 2 k	9.66	01,*01*	B
5571	10	l 1, 3 m	10.25	*05*,05	B
5591	10	l 3, 1 m	10.45	*05*,05	B
5591	10	l 2, 1 m	10.40	*10*,10	B
5592	10	l 2, 1 m	10.40	*10*,10	B
5599	10	l 1, 2 m	10.30	*10*,10	B
5620	4	o 1, 2 p	11.19	04,*04*	B
5620	10	n 2, 1 o	11.04	01,*01*	B
5632	60	p 2, 1 q	11.49	06,*06*	B
5637	61	p 2, 0 q, 2 r	11.57	*02*,*04*, 06	B
5669	21	t 3, 1 u	12.42	08,*07*	B
5692	*63*	l 2, 1 m	10.40	*10*,10	B
5884	10	f 3, 1 g	9.17	00,00	B
5886	10	f 4, 1 g	9.22	05,*05*	B
5887	60	f 2, 2 g	9.07	00,00	B
5896	60	f 2, 1 g	9.12	*05*,05	B
5898	60	f 1, 3 g	8.97	00,00	B
5898	10	f 1, 3 g	8.97	00,00	B
5900	51	e 3, 2 f	8.60	*08*,07	B
5905	60	e 4, 1 f	8.70	*08*,07	B
5906	60	e 4, 2 f	8.64	*02*,03	B
5913	60	f 1, 3 g	8.97	00,00	B
5915	60	f 2, 3 g	9.02	05,*05*	B
5915	10	f 2, 2 g	9.07	00,00	B
5927	10	f 3, 1 g	9.17	00,00	B
5932	71	f 2, 1 g	9.12	*05*,05	B
5939	87	k 3, 1 l	10.08	07,*08*	B
5939	60	h 3, 1 k	9.81	06,*06*	B
5939	77	h 2, 1 k	9.76	01,*01*	B
5940	60	h 1, 2 k	9.66	01,*01*	B
5943	60	h 1, 2 k	9.66	01,*01*	B
5969	13	l 3, 2 m	10.40	00,00	B
5970	13	l 2, 3 m	10.30	00,00	B
5970	12	l 3, 2 m	10.40	00,00	B
5970	10	l 4, 2 m	10.45	05,*05*	B
5970	40	l 4, 2 m	10.45	05,*05*	B
5970	10	l 2, 3 m	10.30	00,00	B
5970	17	l 4, 2 m	10.45	05,*05*	B
5970	10	l 2, 4 m	10.25	05,*05*	B
5970	12	l 4, 2 m	10.45	05,*05*	B
5970	10	l 3, 3 m	10.35	05,*05*	B
5970	10	l 3, 3 m	10.35	05,*05*	B
5970	10	l 3, 3 m	10.35	05,*05*	B
5970	10	l 3, 2 m	10.40	00,00	B
5970	10	l 2, 4 m	10.25	05,*05*	B
5974	10	l 3, 1 m	10.45	*05*,05	B
5974	63	l 1, 2 m	10.30	*10*,10	B
5974	62	k 3, 1 l	10.08	07,*08*	B
5991	60	n 2, 1 o	11.04	01,*01*	B
5993	32	o 1, 2 p	11.19	04,*04*	B
6001	15	o 2, 3 p	11.19	14,*14*	B
6032	10	r 1, 2 s	11.90	03,*02*	B
6239	64	l 1	10.20	A	B
6241	60	k 3, 2 l	10.02	13,*12*	B
6253	60	e 3, 2 f	8.60	*08*,07	B
6253	10	f 1, 2 g	9.02	*05*,05	B
6254	10	e 3, 2 f	8.60	*08*,07	B
6258	60	e 4, 2 f	8.64	*02*,03	B
6263	47	e 4, 2 f	8.64	*02*,03	B
6267	61	e 2, 3 f	8.50	*08*,07	B
6271	10	e 2, 3 f	8.50	*08*,07	B
6272	60	e 2, 3 f	8.50	*08*,07	B
6288	60	e 4, 2 f	8.64	*02*,03	B

183. *204104*. W AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6310	60	f 2, 3 g	9.02	05,*05*	B
6310	10	f 3, 2 g	9.12	05,*05*	B
6311	60	f 2, 2 g	9.07	00,00	B
6322	64	g 3, 2 h	9.47	10,*10*	B
6323	78	g 3, 2 h	9.47	10,*10*	B
6337	60	k 3, 2 l	10.02	13,*12*	B
6337	64	g 3, 1 h	9.52	05,*05*	B
6339	62	k 3, 2 l	10.02	13,*12*	B
6340	65	h 3, 1 k	9.81	06,*06*	B
6340	60	k 1, 3 l	9.88	07,*08*	B
6340	10	l 1, 3 m	10.25	*05*,05	B
6341	60	k 3, 3 l	9.98	17,*18*	B
6359	10	l 3, 3 m	10.35	05,*05*	B
6372	61	l 3, 1 m	10.45	*05*,05	B
6605	10	u 1	12.55	A	B
6632	10	o 1, 2 p	11.19	04,*04*	B
6635	10	m 1, 1 n	10.72	*02*,03	B
6636	10	l 3, 2 m	10.40	00,00	B
6639	10	l 3, 3 m	10.35	05,*05*	B
6639	60	l 1, 4 m	10.20	00,00	B
6641	69	k 3, 1 l	10.08	07,*08*	B
6643	65	l 2, 3 m	10.30	00,00	B
6650	11	l 2, 4 m	10.25	05,*05*	B
6652	11	k 3, 2 l	10.02	13,*12*	B
6654	61	k 1, 2 l	9.92	03,*02*	B
6667	60	k 3, 2 l	10.02	13,*12*	B
6675	69	k 3, 2 l	10.02	13,*12*	B
6682	62	k 3, 2 l	10.02	13,*12*	B
6684	10	l 3, 2 m	10.40	00,00	B
6685	15	l 3, 2 m	10.40	00,00	B
6692	10	l 4, 1 m	10.50	00,00	B
6694	60	l 2, 3 m	10.30	00,00	B
6697	60	l 3, 2 m	10.40	00,00	B
6710	73	l 2, 1 m	10.40	*10*,10	B
6711	84	l 4, 1 m	10.50	00,00	B
6711	13	n 3, 1 o	11.09	06,*06*	B
6712	65	l 4, 1 m	10.50	00,00	B
6739	13	p 1, 2 q	11.39	06,*06*	B
6741	61	p 1, 1 q	11.44	01,*01*	B
6751	09	p 2, 3 q	11.39	16,*16*	B
6753	60	q 2	11.73	A	B
6758	18	r 1, 2 s	11.90	03,*02*	B
6976	10	o 2, 1 p	11.29	04,*04*	B
6976	60	n 2, 1 o	11.04	01,*01*	Bd
6988	11	l 3, 2 m	10.40	00,00	B
6991	15	l 3, 2 m	10.40	00,00	B
7001	60	k 3, 2 l	10.02	13,*12*	B

183. *204104*. W AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7004	64	h 3, 1 k	9.81	06,*06*	B
7007	62	g 2, 1 h	9.47	00,00	B
7019	61	e 3, 2 f	8.60	*08*,07	B
7025	70	e 3, 3 f	8.54	*02*,03	B
7025	62	e 4, 3 f	8.60	02,*03*	B
7031	64	e 3, 4 f	8.50	02,*03*	B
7031	61	e 3, 4 f	8.50	02,*03*	B
7034	60	e 2, 4 f	8.44	*02*,03	B
7037	60	e 2, 3 f	8.50	*08*,07	B
7039	60	e 3, 2 f	8.60	*08*,07	B
7039	10	d 2, 1 e	8.14	03,*02*	B
7049	60	e 2, 3 f	8.50	*08*,07	B
7052	62	e 4, 2 f	8.64	*02*,03	B
7053	65	e 3, 2 f	8.60	*08*,07	B
7061	80	e 3, 2 f	8.60	*08*,07	B
7064	102	f 1, 4 g	8.92	05,*05*	B
7065	61	e 3, 1 f	8.64	*12*,13	B
7075	10	f 3, 2 g	9.12	05,*05*	B
7075	61	f 1, 3 g	8.97	00,00	B
7076	10	f 2, 1 g	9.12	*05*,05	B
7079	60	f 3, 2 g	9.12	05,*05*	B
7081	63	f 1, 2 g	9.02	*05*,05	B
7082	13	f 2, 1 g	9.12	*05*,05	B
7086	65	f 2, 1 g	9.12	*05*,05	B
7095	60	h 2, 0 k, 3 l	9.81	*04*,04, *01*	B
7107	60	k 3, 1 l	10.08	07,*08*	B
7108	64	k 4, 1 l	10.12	13,*12*	B
7111	72	k 2, 1 l	10.02	03,*02*	B
7117	63	l 1	10.20	A	B
7117	63	k 3, 1 l	10.08	07,*08*	B
7121	60	l 2, 3 m	10.30	00,00	B
7128	57	l 3, 1 m	10.45	*05*,05	B
7128	11	n 2, 1 o	11.04	01,*01*	B
7193	10	t 1	12.30	A	B

184. 204318. V DELPHINI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1549	11	r 1, N	*12.8*		B
1595	27	p 1, N	*12.2*		B
1640	28	s 1, N	*13.1*		B
1652	22	q 1, N	*12.6*		B
1669	10	q 1, N	*12.6*		B
1700	11	h 2, 1 k	10.60	04,*04*	B
1721	15	d 1, 2 e	9.73	14,*14*	B
1722	60	d 1, 2 e	9.73	14,*14*	B

184. 204318. V DELPHINI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1724	10	d 2, 1 e	9.83	14,*14*	B
1935	13	p 1, N	*12.2*		B
1999	15	o 1, N	*11.7*		B
2002	16	n 2, N	*11.6*		B
2011	13	o 1, N	*11.7*		B
2057	12	p 2, N	*12.3*		B
2079	12	q 1, N	*12.6*		B
2102	11	p 2, N	*12.3*		B
2345	20	r 1, N	*12.8*		B
2348	11	r 1, N	*12.8*		B
2350	18	r 2, N	*12.9*		B
2374	12	r 1, N	*12.8*		B
2400	11	r 1, N	*12.8*		B
2672	13	r 1, N	*12.8*		B
2697	21	s 1, N	*13.1*		B
2762	10	r 1, N	*12.8*		B
3059	11	q 2, N	*12.7*		B
3063	12	r 1, N	*12.8*		B
3083	10	r 1, N	*12.8*		B
3100	12	s 1, N	*13.1*		B
3113	10	s 1, N	*13.1*		B
3120	10	r 2, N	*12.9*		B
3301	14	s 1, N	*13.1*		B
3365	16	o 3, 1 p	12.00	*04*,04	B
3385	24	q 1, 3 r	12.54	08,*08*	B
3398	13	q 1, 2 r	12.59	03,*03*	B
3401	16	p 3, 1 q	12.43	01,*01*	B
3405	21	q 1, 3 r	12.54	08,*08*	B
3408	15	r 2, 3 s	12.86	10,*10*	B
3425	22	r 3, 3 s	12.91	15,*15*	B
3445	10	s 1, N	*13.1*		B
3467	15	r 1, N	*12.8*		B
3475	12	r 1, N	*12.8*		B
3504	10	r 1, N	*12.8*		B
3540	10	o 2, N	*11.8*		B
3650	10	q 2	12.72	A	B
3655	20	s 1, N	*13.1*		B
3734	17	s 1, N	*13.1*		B
3737	13	s 1, N	*13.1*		B
3790	12	s 1, N	*13.1*		B
3814	10	s 1, N	*13.1*		B
3842	10	p 1, 1 q	12.33	*09*,09	B
3852	10	m 1, 2 n	11.30	04,*04*	B
3852	11	m 1, 1 n	11.35	*01*,01	B
3878	13	g 1, 2 h	10.22	*03*,02	B
3881	10	g 2, 1 h	10.32	*03*,02	B
3881	9	f 2, 1 g	10.13	14,*14*	B

184. 204318. V DELPHINI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3908	11	g 2, 1 h	10.32	*03*,02	B
3911	13	h 1, 2 k	10.50	04,*04*	B
4013	15	s 1, N	*13.1*		B
4052	13	s 1, N	*13.1*		B
4076	28	s 1, N	*13.1*		B
4142	24	s 1, N	*13.1*		B
4173	10	s 1, N	*13.1*		B
4216	19	s 1, N	*13.1*		B
4253	31	s 2, N	*13.2*		B
4357	14	o 1, N	*11.7*		B
4517	13	q 1, N	*12.6*		B
4546	19	r 1, N	*12.8*		B
4580	10	s 1, N	*13.1*		B
4773	14	q 1, N	*12.6*		B
4798	14	q 1, N	*12.6*		B
4820	20	r 1, N	*12.8*		B
4864	23	s 1, N	*13.1*		B
4911	67	d 2, 1 e	9.83	14,*14*	B
4918	10	b 2, 1 c	9.43	*06*,06	B
4921	10	a 2, 1 b	9.08	01,*01*	B
4932	60	b 1, 3 c	9.28	*01*,01	B
4941	66	b 2, 2 c	9.38	*01*,01	B
4945	70	d 1, 3 e	9.68	19,*19*	B
4965	89	d 2, 1 e	9.83	14,*14*	B
5124	10	q 1, N	*12.6*		B
5197	23	p 1, N	*12.2*		B
5312	10	r 1, N	*12.8*		B
5340	10	s 1, N	*13.1*		B
5943	27	s 1, N	*13.1*		B
5985	10	k 1, 1 l	10.71	05,*05*	B
5989	81	h 2, 1 k	10.60	04,*04*	B
5992	24	g 2, 1 h	10.32	*03*,02	B
6001	10	g 2, 1 h	10.32	*03*,02	B
6027	63	l 1, 2 m	10.95	*09*,09	B
6033	60	n 1, 2 o	11.51	05,*05*	B
6033	86	n 2, 2 o	11.56	10,*10*	B
6116	10	r 2, N	*12.9*		B
6202	25	s 1, N	*13.1*		B
6327	41	s 2, N	*13.2*		B
6351	21	s 1, N	*13.1*		B
6366	21	s 1, N	*13.1*		B
6409	27	s 2, N	*13.2*		B
6414	21	r 3	13.06	A	B
6439	17	s 1, N	*13.1*		B
6444	13	s 1, N	*13.1*		B
6467	13	s 1, N	*13.1*		B
6594	60	n 2, 1 o	11.61	05,*05*	B
	m.				
6678	54	o 2, 3 p	11.85	01,*01*	B
6771	*64*	p 2, N	*12.3*		B
6782	*77*	p 2, N	*12.3*		B
7031	10	p 2, 1 q	12.38	*04*,04	B
7039	75	o 3, 1 p	12.00	*04*,04	B
7077	65	m 2, 1 n	11.40	04,*04*	B
7095	72	n 2, 2 o	11.56	10,*10*	B
7107	61	o 3, 2 p	11.95	01,*01*	B
7110	61	o 3, 1 p	12.00	*04*,04	B
7117	*60*	o 2, 1 p	11.95	*09*,09	B
7124	61	p 1, 3 q	12.23	01,*01*	B
7125	12	q 2, 2 r	12.64	08,*08*	B
7126	20	p 3, 2 q	12.38	06,*06*	B
7135	60	o 4, 1 p	12.05	01,*01*	B
7146	*66*	n 2, 1 o	11.61	05,*05*	B
7175	*61*	p 1, N	*12.2*		B

185. *204763.* U PAVONIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1171	10	m 2, N	*11.9*		F
1197	10	h 1, N	*10.8*		F
1231	56	m 2, N	*11.9*		B
1894	12	f 0, 3 g	10.14	02,*03*	F
1894	11	e 3, 2 f	9.92	*04*,04	F
1894	11	f 1, 4 h	10.31	*05*,05	F
1895	15	e 6, 1 f	10.12	06,*06*	F
1895	10	f 1, 4 h	10.31	*05*,05	F
2350	14	n 1, N	*12.2*		F
2350	10	n 1, N	*12.2*		F
2702	10	m 2	11.98	A	F
2761	10	d 4, 0 e, 5 f	9.62	01,*04*, 04	F
2761	10	e 1, 3 f	9.77	*09*,09	F
3024	11	n 2, N	*12.3*		F
3026	10	h 4, N	*11.1*		F
3051	10	f 4, 1 h	10.61	*05*,05	F
3087	11	e 4, 0 f, 5 g	10.02	*04*,14, *11*	F
"	"	f 1, 2 g	10.24	02,*03*	B
3323	10	m 2, 1 n	11.99	*01*,01	F
3323	10	m 1, 3 n	11.84	04,*04*	F
3360	*65*	d 4, 0 e	9.60	03,*02*	F
"	"	e 2, 1 f	9.92	*04*,04	B
3385	10	e 2, 3 f	9.82	*04*,04	F
3406	10	e 3, 2 f	9.92	*04*,04	F
3407	10	e 4, 1 f	10.02	*04*,04	F
	m.				
3498	11	n 1, N	*12.2*		B
3691	10	c 1, 2 d	8.98	*05*,05	B
3702	10	f 1, 3 g	10.18	08,*07*	B
3716	10	f 3, 1 g	10.38	08,*07*	B
3721	15	g 1, 3 h	10.48	03,*02*	B
3721	10	f 2, 1 g	10.34	02,*03*	B
3726	11	g 3, 1 h	10.68	03,*02*	B
3726	10	g 3, 3 h	10.58	13,*12*	B
3730	10	g 3, 2 h	10.64	07,*08*	B
3744	10	k 3, 2 l	11.28	10,*10*	B
3758	67	m 3, 2 n	11.99	09,*09*	B
3759	12	m 2, 3 n	11.90	08,*09*	B
3797	17	n 2, N	*12.3*		B
3828	11	n 2, N	*12.3*		B
3846	15	n 2, N	*12.3*		B
3876	10	m 1, N	*11.8*		B
3887	12	m 1, N	*11.8*		B
4057	10	l 1, 4 m	11.43	05,*05*	B
4073	10	n 1, N	*12.2*		B
4077	10	n 1, N	*12.2*		B
4122	10	n 1, N	*12.2*		B
4182	11	m 2, 3 n	11.89	09,*09*	B
4202	10	f 2, 1 g	10.34	02,*03*	B
4232	10	c 2, 1 d	9.08	*05*,05	B
4245	10	d 3, 3 e	9.40	13,*12*	B
4256	10	d 1, 2 e	9.36	*03*,02	B
4435	13	n 1, N	*12.2*		B
4448	12	n 2, N	*12.3*		B
4541	60	d 3, 2 e	9.46	07,*08*	B
4585	10	g 3, 2 h	10.64	07,*08*	B
4596	10	h 1, N	*10.8*		B
4776	10	e 2, 3 f	9.82	*04*,04	B
4777	10	f 1, 2 g	10.24	02,*03*	B
4805	14	d 1, 3 e	9.30	03,*02*	B
4813	*60*	2 d	9.03	A	Be
4835	12	c 3, 0 d, 3 e	9.21	*08*,02, 07	B
4835	17	e 1, 3 f	9.77	*09*,09	B
4853	10	e 3, 3 f	9.87	01,*01*	B
4854	13	e 2, 3 f	9.82	*04*,04	B
4862	64	e 4, 1 f	10.02	*04*,04	B
4870	64	f 2, 1 g	10.34	02,*03*	B
4878	272	g 3, 3 h	10.58	13,*12*	B
4941	10	m 3, 2 n	11.99	09,*09*	B
4970	11	n 1, N	*12.2*		B
5168	60	g 3, 1 h	10.68	03,*02*	B
5206	60	m 1, 2 n	11.89	*01*,01	B

185. *204763.* U Pavonis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5267	10	n 1, N	*12.2*		B
5297	11	n 1, N	*12.2*		B
5486	10	m 1, 3 n	11.84	04,*04*	B
5522	61	n 2, N	*12.3*		B
5549	210	p 3, 1 q	12.98	02,*03*	B
5551	240	q 2, 1 r	13.22	03,*02*	B
5618	60	p 2, 1 q	12.92	*02*,03	B
5619	10	o 1, 2 p	12.50	00,00	B
5635	65	l 3, 1 m	11.68	00,00	B
5641	270	l 2, 2 m	11.58	00,00	B
5649	60	f 2, 1 g	10.34	02,*03*	B
5660	68	e 2, 2 f	9.87	*09*,09	B
5689	65	d 3, 3 e	9.40	13,*12*	B
5887	10	m 1, N	*11.8*		B
5911	60	m 2, 1 n	11.99	*01*,01	B
5914	60	m 2, 0 n	12.04	*06*,06	B
5927	60	k 1	11.18	A	B
5929	60	k 2, 2 l	11.23	05,*05*	B
5938	61	g 4, 2 h	10.68	13,*12*	B
5941	60	g 3, 2 h	10.64	07,*08*	B
5941	60	g 3	10.71	A	B
5943	60	g 2, 4 h	10.48	13,*12*	B
5961	60	d 1, 2 e	9.36	*03*,02	B
5971	60	e 3, 2 f	9.92	*04*,04	B
6015	60	e 3, 0 f, 2 g	10.08	*20*,08, 13	B
6018	60	g 2	10.61	A	B
6029	60	f 2, 3 g	10.24	12,*13*	B
6032	10	g 3, 2 h	10.64	07,*08*	B
6032	10	g 3, 2 h	10.64	07,*08*	B
6242	10	c 3, 1 d	9.13	00,00	B
6242	63	d 3, 2 e	9.46	07,*08*	B
6242	64	d 3, 2 e	9.46	07,*08*	B
6249	61	d 3, 3 e	9.40	13,*12*	B
6254	10	d 1, 3 e	9.30	03,*02*	B
6257	62	c 2, 1 d	9.08	*05*,05	B
6263	61	d 2, 3 e	9.36	07,*08*	B
6269	63	c 3, 2 d	9.08	05,*05*	B
6272	10	c 3, 2 d	9.08	05,*05*	B
6278	64	d 1, 3 e	9.30	03,*02*	B
6282	64	d 1, 3 e	9.30	03,*02*	B
6297	63	d 3, 1 e	9.50	03,*02*	B
6302	60	e 4, 2 f	9.97	01,*01*	B
6310	60	e 4, 2 f	9.97	01,*01*	B
6312	60	e 4, 1 f	10.02	*04*,04	B
6359	10	k 2, 1 l	11.28	00,00	B
6372	240	l 3, 1 m	11.68	00,00	B
6397	10	l 1, N	*11.4*		B
6593	60	d 3, 1 e	9.50	03,*02*	B
6594	60	e 2, 4 f	9.77	01,*01*	B
6603	60	e 4, 2 f	9.97	01,*01*	B
6605	61	e 3, 3 f	9.87	01,*01*	B
6605	11	e 3, 2 f	9.92	*04*,04	B
6606	10	e 2, 3 f	9.82	*04*,04	B
6607	60	f 3, 2 g	10.34	12,*13*	B
6622	10	g 2, 4 h	10.48	13,*12*	B
6624	62	g 2	10.61	A	B
6632	10	g 3, 1 h	10.68	03,*02*	B
6634	61	g 3, 2 h	10.64	07,*08*	B
6636	60	g 3, 1 h	10.68	03,*02*	B
6655	63	h 2, 2 k	10.92	04,*04*	B
6682	10	n 1, N	*12.2*		B
6963	10	l 3, 1 m	11.68	00,00	B
6991	10	l 2, N	*11.5*		B
7017	10	m 1, N	*11.8*		B
7067	10	m 2, 1 n	11.99	*01*,01	B
7096	62	l 2	11.58	A	B
7125	60	c 2, 3 d	8.98	05,*05*	B
7163	69	d 3, 1 e	9.50	03,*02*	B
7175	62	d 3, 3 e	9.40	13,*12*	B
7194	71	e 3, 3 f	9.87	01,*01*	B

186. *204954.* S Indi.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1174	10	e 0	10.22	A	F
1203	60	k 3, N	*12.2*		F
1237	60	k 4, N	*12.3*		F
1874	10	g 4, 2 h	11.26	08,*07*	F
1875	10	h 2	11.59	A	F
1894	11	k 0	11.91	A	F
2350	10	k 2, N	*12.1*		F
2350	10	k 2, N	*12.1*		F
2642	10	d 4, 2 e	10.06	04,*04*	F
2676	10	g 4, 1 h	11.32	02,*03*	F
"	"	g 3, 1 h	11.26	*02*,03	F
2676	10	g 4, 1 h	11.32	02,*03*	F
2730	10	k 2, N	*12.1*		F
2730	10	k 3, N	*12.2*		F
2970	10	a 2, 2 b	8.36	*10*,10	F
3024	10	c 1	9.28	A	Fe
3035	*62*	c 5	9.68	A	Fe
3052	10	d 3, 2 e	10.01	*01*,01	F
3052	10	d 4, 3 e	10.01	09,*09*	F
3052	10	d 3, 3 e	9.96	04,*04*	Fr
3084	10	g 4, 1 h	11.32	02,*03*	B
3086	4	g 3, 1 h	11.26	*02*,03	B
3086	10	g 4, 2 h	11.26	08,*07*	B
3308	10	k 1, N	*12.0*		B
3323	10	h 2, 1 k	11.70	*11*,11	B
3348	10	b 1, 2 c	8.87	*11*,11	B
3377	10	a 3, 2 b	8.41	*05*,05	B
3377	11	a 4, 1 b	8.51	*05*,05	B
3378	10	a 3, 2 b	8.41	*05*,05	B
3378	10	b 1, 3 c	8.82	*06*,06	B
3385	11	b 2, 3 c	8.87	*01*,01	B
3406	10	b 3, 2 c	8.97	*01*,01	B
3426	10	c 3, 2 d	9.49	*01*,01	B
3443	10	f 1, 3 g	10.68	04,*04*	B
3481	10	h 2, 3 k	11.60	*01*,01	B
3497	10	h 3, 2 k	11.70	*01*,01	B
3499	10	k 2, 1 l	12.10	01,*01*	B
3645	19	k 2, N	*12.1*		B
3661	30	k 3, N	*12.2*		B
3691	30	k 1, 2 l	12.00	01,*01*	B
3715	31	h 1, 4 k	11.50	*01*,01	B
3721	10	g 3, 2 h	11.22	02,*03*	B
3727	30	f 2, 2 g	10.78	04,*04*	B
3743	30	d 3, 3 e	9.96	04,*04*	B
3747	19	d 2, 3 e	9.91	*01*,01	B
3749	14	c 3, 1 d	9.54	*06*,06	B
3751	30	c 4, 2 d	9.54	04,*04*	B
3758	30	c 2, 2 d	9.44	*06*,06	B
3778	30	a 2, 2 b	8.36	*10*,10	B
3790	27	b 1, 2 c	8.87	*11*,11	B
3806	41	b 1, 2 c	8.87	*11*,11	B
3810	*78*	c 2, 1 d	9.49	*11*,11	B
3831	32	c 2, 3 d	9.39	*01*,01	B
3839	12	d 2, 3 e	9.91	*01*,01	B
3845	10	d 3, 1 e	10.06	*06*,06	B
3846	11	d 3, 0 e, 2 f	10.21	*21*,01, 21	B
3877	10	g 3, 1 h	11.26	*02*,03	B
3887	30	h 3, 2 k	11.70	*01*,01	B
4057	13	k 3, N	*12.2*		B
4086	11	k 3, N	*12.2*		B
4107	11	h 2, 3 k	11.60	*01*,01	B
4181	10	d 3, 4 e	9.91	09,*09*	B
4182	10	d 3, 2 e	10.01	*01*,01	B
4202	11	c 4, 1 d	9.59	*01*,01	B
4232	10	d 1, 3 e	9.86	*06*,06	B

186. *204954.* S INDI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4232	10	d 3, 0 e, 2 f	10.21	*21*,01, 21	B
4246	10	d 2, 2 e	9.96	*06*,06	B
4256	3	f 2, 2 g	10.78	04,*04*	B
4426	10	k 2, N	*12.1*		B
4461	10	k 2, N	*12.1*		B
4520	60	l 2, 1 m	12.39	00,00	B
4546	80	g 3, 3 h	11.16	08,*07*	B
4576	10	c 2, 4 d	9.34	04,*04*	B
4596	10	c 3, 2 d	9.49	*01*,01	B
4596	10	c 1, 3 d	9.34	*06*,06	B
4765	10	k 2, N	*12.1*		B
4805	10	k 2, 1 l	12.10	01,*01*	B
4832	10	k 2, N	*12.1*		B
4854	10	k 2, N	*12.1*		B
4884	10	k 2, N	*12.1*		B
4970	11	c 4, 3 d	9.49	09,*09*	B
4972	11	c 2, 3 d	9.39	*01*,01	B
5158	10	k 3, N	*12.2*		B
5267	10	k 2, N	*12.1*		B
5522	10	k 1, N	*12.0*		B
5589	61	k 4, N	*12.3*		B
5639	60	k 2, N	*12.1*		B
5869	60	e 2, 1 f	10.47	*05*,05	B
5886	10	g 2, 3 h	11.12	02,*03*	B
5911	61	h 2, 3 k	11.60	*01*,01	B
5911	61	h 2, 3 k	11.60	*01*,01	B
5912	60	h 2, 3 k	11.60	*01*,01	B
5915	10	g 4, 1 h	11.32	02,*03*	B
5942	61	l 2, 1 m	12.39	00,00	B
5943	60	k 2, 1 l	12.10	01,*01*	B
5945	10	k 2, 0 l	12.15	*04*,04	B
5962	68	k 1, N	*12.0*		B
6013	10	k 1, N	*12.0*		B
6032	10	k 2, N	*12.1*		B
6034	10	k 1, N	*12.0*		B
6239	61	b 3, 2 c	8.97	*01*,01	B
6242	63	b 3, 1 c	9.02	*06*,06	B
6249	61	b 3, 2 c	8.97	*01*,01	B
6249	11	c 1, 3 d	9.34	*06*,06	B
6253	10	c 2, 3 d	9.39	*01*,01	B
6254	10	c 1, 3 d	9.34	*06*,06	B
6267	60	d 1, 4 e	9.81	*01*,01	B
6272	62	d 3, 3 e	9.96	04,*04*	B
6309	10	g 2, 2 h	11.16	*02*,03	B
6310	10	h 1, 3 k	11.55	*06*,06	B
6312	60	h 1	11.49	A	B

186. *204954.* S INDI.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6344	35	k 3, N	*12.2*		B
6397	10	k 1, N	*12.0*		B
6589	69	d 1, 4 e	9.81	*01*,01	B
6593	60	d 3, 4 e	9.91	09,*09*	B
6603	60	c 4, 2 d	9.54	04,*04*	B
6605	61	c 3, 1 d	9.54	*06*,06	B
6605	10	c 4, 3 d	9.49	09,*09*	B
6606	10	c 3, 3 d	9.44	04,*04*	B
6607	60	c 3, 3 d	9.44	04,*04*	B
6613	60	c 3, 3 d	9.44	04,*04*	B
6613	10	c 3, 3 d	9.44	04,*04*	B
6634	61	c 3, 1 d.	9.54	*06*,06	B
6635	60	d 4, 2 e	10.06	04,*04*	B
6636	60	d 1, 3 e	9.86	*06*,06	B
6655	60	d 3, 1 e	10.06	*06*,06	B
6682	12	g 3, 1 h	11.26	*02*,03	B
6682	10	g 3, 2 h	11.22	02,*03*	B
6682	12	g 3, 2 h	11.22	02,*03*	B
6682	60	g 3	11.24	A	B
6979	63	e 2, 2 f	10.42	00,00	B
6981	11	d 3, 1 e	10.06	*06*,06	B
6988	10	c 3, 2 d	9.49	*01*,01	B
6992	61	c 3, 2 d	9.49	*01*,01	B
7001	62	c 3, 3 d	9.44	04,*04*	B
7006	65	c 3, 3 d	9.44	04,*04*	B
7009	11	c 4, 2 d	9.54	04,*04*	B
7010	10	b 3, 2 c	8.97	*01*,01	B
7038	60	c 4, 2 d	9.54	04,*04*	B
7038	60	c 4, 2 d	9.54	04,*04*	B
7052	*60*	d 2, 1 e	10.01	*11*,11	B
7054	45	d 2, 3 e	9.91	*01*,01	B
7067	10	e 1, 2 f	10.37	*05*,05	B
7067	14	d 3, 1 e	10.06	*06*,06	B
7068	60	d 3, 1 e	10.06	*06*,06	B
7069	10	e 1, 3 f	10.32	00,00	B
7124	11	h 3, 1 k	11.75	*06*,06	B

187. *205782.* T OCTANTIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1171	10	o 0	12.58	A	F
1172	60	m 4, 2 n	12.02	09,*09*	F
1273	60	n 3, N	*12.4*		F
1277	17	m 3, N	*12.0*		F
1528	60	e 2, 2 f	9.84	*01*,01	F
1532	60	d 5, 1 e	9.54	01,*01*	F
1533	60	d 5, 1 e	9.54	01,*01*	F

187. *205782.* T OCTANTIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1585	83	f 4, 1 g	10.37	08,*08*	F
1616	60	m 6, 0 n, 4 o	12.21	10,*08*, *03*	F
"	"	n 1, 4 o	12.20	03,*02*	F
1895	11	o 1, N	*12.6*		F
1903	10	o 1, N	*12.6*		F
2025	91	g 5, 1 h	10.79	10,*10*	F
2025	264	g 5, 1 h	10.79	10,*10*	F
2587	10	o 1, N	*12.6*		F
2638	10	e 1, 2 f	9.79	*06*,06	F
"	"	e 1, 2 f	9.79	*06*,06	F
3026	10	k 5, 0 l, 3 m	11.45	14,*10*, *04*	F
3026	10	k 2, 1 l	11.27	02,*02*	F
3043	*61*	c 6, 0 d	9.10	05,*05*	F
3054	10	d 1, 5 e	9.14	01,*01*	F
3055	10	c 5, 0 d, 6 e	9.04	01,01, *01*	F
3082	10	d 1, 5 e	9.14	01,*01*	F
3142	10	m 2, 2 n	11.92	*01*,01	B
3293	11	g 2, 1 h	10.64	*05*,05	B
3309	10	h 1, 2 k	10.89	00,00	B
3324	10	k 2, 1 l	11.27	02,*02*	B
3342	65	m 2, 2 n	11.92	*01*,01	B
3348	10	m 3, 1 n	12.02	*01*,01	B
3377	10	p 2, 1 q	13.15	*07*,07	B
3406	10	p 2, 3 q	13.05	03,*03*	B
3443	10	n 3, 2 o	12.40	03,*02*	B
3481	10	d 3, 1 e	9.44	*09*,09	B
3645	34	n 2, 3 o	12.30	03,*02*	B
3658	29	o 2, N	*12.7*		B
3692	27	k 2, 1 l	11.27	02,*02*	B
3702	27	h 2, 1 k	10.99	00,00	B
3715	15	g 1, 2 h	10.54	*05*,05	B
3717	14	g 1, 2 h	10.54	*05*,05	B
3721	10	f 2, 1 g	10.27	*02*,02	B
3721	10	g 1, 2 h	10.54	*05*,05	B
3727	25	g 2, 2 h	10.59	00,00	B
3742	25	g 2, 1 h	10.64	*05*,05	B
3758	25	k 2, 2 l	11.22	07,*07*	B
3778	25	m 3, 1 n	12.02	*01*,01	B
3790	40	n 2, 2 o	12.36	*03*,02	B
3806	28	p 4, 1 q	13.25	03,*03*	B
3839	27	o 3, N	*12.8*		B
4034	11	p 3, 2 q	13.15	03,*03*	B
4073	25	q 2, 2 r	13.50	02,*02*	B
4085	25	q 1, 3 r	13.40	02,*02*	B

187. *205782.* T OCTANTIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
4107	25	m 2, 2 n	11.92	*01*,01	B
4126	19	f 1, 2 g	10.17	*02*,02	B
4181	29	f 2, 2 g	10.22	03,*03*	B
4227	23	n 2, 1 o	12.40	*07*,08	B
4251	11	n 1, N	*12.2*		B
4256	28	o 3, N	*12.8*		B
4435	15	n 2, 3 o	12.30	03,*02*	B
4437	10	n 1	12.23	A	B
4448	12	n 1, 2 o	12.30	*07*,08	B
4461	30	p 1, 4 q	12.95	03,*03*	B
4482	30	p 3, 0 q	13.25	*07*,07	B
4529	10	p 3, 1 q	13.20	*02*,02	B
4539	60	n 2, 1 o	12.40	*07*,08	B
4584	10	d 3, 1 e	9.44	*09*,09	B
4597	10	d 3, 1 e	9.44	*09*,09	B
4605	10	3 f	9.75	A	Be
4763	*60*	k 2, N	*11.2*		B
4777	10	g 3, 2 h	10.64	05,*05*	B
4832	10	g 2, 2 h	10.59	00,00	B
4833	12	f 1, 2 g	10.17	*02*,02	B
4835	10	g 1 2 h	10.54	*05*,05	B
4853	10	h 1, 2 k	10.89	00,00	B
4862	63	k 3, 2 l	11.27	12,*12*	B
4863	98	k 1, 2 l	11.17	02,*02*	B
4941	11	o 3, N	*12.8*		B
5168	63	q 2, 1 r	13.55	*03*,03	B
5220	61	f 3, 1 g	10.32	03,*03*	B
5224	60	d 4, 2 e	9.44	01,*01*	Bi
5224	60	f 2, 1 g	10.27	*02*,02	B
5231	60	d 3, 4 e	9.29	06,*06*	Bi
5261	62	d 4, 3 e	9.39	06,*06*	Bi
5263	64	e 1, 3 f	9.74	*01*,01	B
5264	61	d 3, 1 e	9.44	*09*,09	B
5266	60	e 1, 2 f	9.79	*06*,06	B
5267	66	f 1, 2 g	10.17	*02*,02	B
5268	60	e 2, 1 f	9.89	*06*,06	B
5274	11	e 2, 1 f	9.89	*06*,06	B
5275	11	f 3, 3 g	10.22	13,*13*	B
5276	11	3 f	9.75	A	Be
5276	65	f 2, 2 g	10.22	03,*03*	B
5474	65	f 2, 2 g	10.22	03,*03*	B
5481	64	f 3, 1 g	10.32	03,*03*	B
5485	10	g 1, 2 h	10.54	*05*,05	B
5500	60	g 2, 2 h	10.59	00,00	B
5520	300	k 2, 1 l	11.27	02,*02*	B
5522	60	m 2, 1 n	11.97	*06*,06	B
5542	10	p 2, 3 q	13.05	03,*03*	B
5558	60	p 3, 2 q	13.15	03,*03*	B
5584	62	o 4, N	*12.9*		B
5603	67	l 1	11.45	A	B
5648	63	k 3, 1 l	11.32	07,*07*	B
5658	. .	g 4, 3 h	10.64	15,*15*	B
5659	65	g 3, 2 h	10.64	05,*05*	B
5660	68	g 2, 3 h	10.54	05,*05*	B
5665	60	g 2, 3 h	10.54	05,*05*	B
5689	65	f 1, 2 g	10.17	*02*,02	B
5868	60	l 2, 1 m	11.58	*03*,03	B
5884	58	g 2, 3 h	10.54	05,*05*	B
5897	60	d 3, 1 e	9.44	*09*,09	B
5904	60	d 3, 3 e	9.34	01,*01*	B
5906	60	e 2, 1 f	9.89	*06*,06	B
5908	60	d 3, 3 e	9.34	01,*01*	B
5911	60	e 1, 3 f	9.74	*01*,01	B
5914	60	e 1, 2 f	9.79	*06*,06	B
5918	10	f 2, 3 g	10.17	08,*08*	B
5918	10	e 2, 1 f	9.89	*06*,06	B
5925	10	g 1	10.49	A	Be
5927	60	g 1, 3 h	10.49	00,00	B
5927	60	f 2, 1 g	10.27	*02*,02	B
5938	60	f 3, 2 g	10.27	08,*08*	B
5939	61	h 1, 2 k	10.89	00,00	B
5941	60	g 3, 2 h	10.64	05,*05*	B
5943	66	g 2, 2 h	10.59	00,00	B
5946	63	g 2, 1 h	10.64	*05*,05	B
6034	10	o 1, N	*12.6*		B
6090	60	f 1, 2 g	10.17	*02*,02	B
6118	60	d 3, 2 e	9.39	*04*,04	B
6130	61	g 2, 3 h	10.54	05,*05*	B
6254	10	p 3, 1 q	13.20	*02*,02	B
6297	64	k 2, 3 l	11.17	12,*12*	B
6310	60	g 2, 4 h	10.49	10,*10*	B
6312	66	f 3, 2 g	10.27	08,*08*	B
6323	63	d 3, 1 e	9.44	*09*,09	B
6331	60	e 2, 2 f	9.84	*01*,01	B
6338	60	d 3, 1 e	9.44	*09*,09	B
6341	67	e 1, 2 f	9.79	*06*,06	B
6342	60	d 3, 1 e	9.44	*09*,09	B
6345	62	d 3, 1 e	9.44	*09*,09	B
6358	62	g 3, 2 h	10.64	05,*05*	B
6358	60	g 1, 2 h	10.54	*05*,05	B
6360	60	g 2, 3 h	10.54	05,*05*	B
6387	60	k 3, 2 l	11.27	12,*12*	B
6396	10	m 2, 2 n	11.92	*01*,01	B
6397	11	l 3	11.65	A	Be
6582	71	g 1, 3 h	10.49	00,00	B
6583	63	g 1, 2 h	10.54	*05*,05	B
6594	60	h 1, 2 k	10.89	00,00	B
6594	60	g 3, 1 h	10.69	00,00	B
6604	60	k 1, 2 l	11.17	02,*02*	B
6605	60	k 2, 1 l	11.27	02,*02*	B
6605	61	k 3, 1 l	11.27	02,*02*	B
6607	60	k 2, 1 l	11.27	02,*02*	B
6608	10	l 1, 2 m	11.48	*03*,03	B
6682	10	o 2, N	*12.7*		B
6684	10	o 1, N	*12.6*		B
6731	191	k 2, 1 l	11.27	02,*02*	B
6741	65	g 2, 2 h	10.59	00,00	B
6743	61	h 1, 2 k	10.89	00,00	B
6755	175	g 1, 2 h	10.54	*05*,05	B
6760	62	e 1, 2 f	9.79	*06*,06	B
6760	60	e 2, 1 f	9.89	*06*,06	B
6785	60	d 4, 1 e	9.49	*04*,04	B
6789	60	d 3, 2 e	9.39	*04*,04	B
6793	63	d 3, 1 e	9.44	*09*,09	B
6801	62	f 1, 2 g	10.17	*02*,02	B
6813	63	e 2, 1 f	9.89	*06*,06	B
6958	60	g 2, 1 h	10.64	*05*,05	B
6963	10	f 2, 0 g, 2 h	10.41	*16*,*02*, 18	B
6964	62	f 2, 2 g	10.22	03,*03*	B
6975	66	d 3, 1 e	9.44	*09*,09	B
6975	68	d 3, 1 e	9.44	*09*,09	B
6977	60	d 3, 1 e	9.44	*09*,09	B
6992	61	f 2, 0 g, 3 h	10.38	*13*,01, 11	B
6999	61	f 1, 2 g	10.17	*02*,02	B
6999	60	g 1, 2 h	10.54	*05*,05	B
7006	63	e 1, 2 f	9.79	*06*,06	B
7006	60	f 2, 2 g	10.22	03,*03*	B
7006	60	g 1, 3 h	10.49	00,00	B
7018	60	f 2, 1 g	10.27	*02*,02	B
7038	61	h 1, 3 k	10.84	05,*05*	B
7038	60	g 2, 2 h	10.59	00,00	B
7038	60	g 3, 1 h	10.69	00,00	B
7065	66	l 1, 1 m	11.53	*08*,08	B
7067	10	m 2, 2 n	11.92	*01*,01	B
7067	10	l 2, 1 m	11.58	*03*,03	Be
7175	62	g 2, 3 h	10.54	05,*05*	B
7194	71	d 3, 3 e	9.34	01,*01*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1164	10	q 1, N	*12.3*		B
1191	60	q 2, N	*12.4*		B
1202	60	t 2, N	*13.5*		B
1257	10	m 2, 1 n	11.71	*04*,04	Bp
"	"	l 2, 1 m	11.33	*04*,04	B
1257	10	n 2, 1 o	11.94	11,*11*	Bdp
1284	11	k 1, 2 l	10.90	01,*01*	B
1508	60	r 1, N	*12.7*		B
1875	10	s 1, N	*13.1*		B
1984	10	q 1, N	*12.3*		B
2012	13	r 2, N	*12.8*		B
2677	10	u 1, N	*13.9*		B
2677	10	r 2, N	*12.8*		B
2970	10	n 1, 2 o	11.84	11,*11*	B
2971	10	n 1, 2 o	11.84	11,*11*	B
3149	10	s 1, N	*13.1*		B
3323	10	p 2, 1 q	12.18	00,00	Bd
3323	10	p 2, 1 q	12.18	00,00	B
3378	10	r 2, 1 s	12.88	*02*,03	B
3435	15	u 2, 1 w	13.91	10,*10*	B
3497	10	s 1, N	*13.1*		B
3498	10	s 1, N	*13.1*		B
3752	16	q 2, 2 r	12.47	01,*01*	B
3874	15	s 1, N	*13.1*		B
3884	10	r 1, N	*12.7*		B
4078	10	l 2, 2 m	11.28	01,*01*	B
4125	10	p 2, 1 q	12.18	00,00	B
4183	12	t 2, 1 u	13.61	*10*,10	B
4232	11	t 2, N	*13.5*		B
4430	10	f 2, 3 g	10.15	01,*01*	B
4452	10	f 3, 2 g	10.25	01,*01*	B
4528	10	p 3, 1 q	12.23	05,*05*	B
4596	11	t 1, N	*13.4*		B
4806	10	f 3, 2 g	10.25	01,*01*	B
4822	10	g 2, 3 h	10.55	09,*09*	B
4835	14	h 2, 1 k	10.84	12,*13*	B
4842	10	k 3, 1 l	11.05	06,*06*	B
4847	11	l 1, 2 m	11.23	*04*,04	B
4854	12	m 1, 3 n	11.56	01,*01*	B
4881	60	p 2, 1 q	12.18	00,00	B
4972	12	t 1, N	*13.4*		B
5190	10	g 2, 2 h	10.60	04,*04*	B
5198	10	g 3, 2 h	10.65	09,*09*	B
5224	60	g 2, 2 h	10.60	04,*04*	Bi
5262	50	q 2, 1 r	12.52	*04*,04	B
5277	11	q 2	12.48	A	B
5283	64	r 3, 2 s	12.88	07,*07*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5341	10	r 1, N	*12.7*		B
5376	55	u 1, N	*13.9*		B
5541	10	d 2, 2 e	9.80	*01*,01	B
5542	61	d 2, 2 e	9.80	*01*,01	B
5543	60	e 2, 2 f	9.98	23,*22*	B
5558	60	d 2, 1 e	9.85	*06*,06	B
5561	7	f 2, 2 g	10.20	*04*,04	B
5591	65	f 3, 2 g	10.25	01,*01*	B
5592	10	f 2, 1 g	10.25	*09*,09	B
5603	62	f 4, 2 g	10.30	06,*06*	B
5607	65	g 1, 3 h	10.50	04,*04*	B
5621	11	k 1, 2 l	10.90	01,*01*	B
5623	65	h 1, 1 k	10.78	08,*07*	B
5648	60	l 2, 1 m	11.33	*04*,04	B
5662	60	p 2, 2 q	12.13	05,*05*	B
5869	60	l 2, 1 m	11.33	*04*,04	B
5884	10	g 2, 1 h	10.65	*01*,01	B
5887	10	g 2, 1 h	10.65	*01*,01	B
5912	60	f 3, 2 g	10.25	01,*01*	B
5914	65	f 4, 2 g	10.30	06,*06*	B
5926	60	f 3, 3 g	10.20	06,*06*	B
5961	60	k 2, 1 l	11.00	01,*01*	B
5973	73	l 3, 1 m	11.38	01,*01*	B
6013	10	q 1, 2 r	12.42	*04*,04	B
6061	10	s 1, N	*13.1*		B
6249	11	m 2, 1 n	11.71	*04*,04	B
6267	60	g 2, 3 h	10.55	09,*09*	B
6272	62	f 4, 1 g	10.35	01,*01*	B
6272	10	g 2, 1 h	10.65	*01*,01	B
6288	60	f 3, 3 g	10.20	06,*06*	Br
6295	57	f 3, 2 g	10.25	01,*01*	B
6297	60	f 2, 1 g	10.25	*09*,09	B
6298	64	f 3, 1 g	10.30	*04*,04	B
6310	60	g 3, 2 h	10.65	09,*09*	B
6327	*60*	h 2, 1 k	10.84	12,*13*	B
6327	10	k 1, 2 l	10.90	01,*01*	B
6331	62	g 2, 1 h	10.65	*01*,01	B
6340	61	k 3, 1 l	11.05	06,*06*	B
6344	68	k 3, 1 l	11.05	06,*06*	B
6355	30	l 2, 1 m	11.33	*04*,04	B
6396	10	p 1, 2 q	12.08	00,00	B
6613	10	r 1, N	*12.7*		B
6632	10	m 1, 2 n	11.61	*04*,04	Bd
6635	60	l 2, 3 m	11.23	06,*06*	B
6655	11	k 2, 3 l	10.90	11,*11*	B
6655	60	k 2, 1 l	11.00	01,*01*	B
6675	67	g 2, 2 h	10.60	04,*04*	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6682	60	g 3, 2 h	10.65	09,*09*	B
6683	10	f 2, 1 g	10.25	*09*,09	B
6684	66	g 2, 1 h	10.65	*01*,01	B
6692	10	f 3, 2 g	10.25	01,*01*	B
6694	63	g 2, 1 h	10.65	*01*,01	B
6694	60	g 1, 3 h	10.50	04,*04*	B
6695	63	g 2, 2 h	10.60	04,*04*	B
6711	65	h 1, 2 k	10.74	12,*13*	B
6715	63	g 1, 3 h	10.50	04,*04*	B
6727	63	k 2, 3 l	10.90	11,*11*	B
6752	60	l 2, 2 m	11.28	01,*01*	B
7009	10	w 1, N	*14.0*		Bd
7038	45	m 2, 1 n	11.71	*04*,04	B
7038	60	m 2, 3 n	11.61	06,*06*	B
7068	10	k 2, 2 l	10.95	06,*06*	B
7068	60	l 2, 2 m	11.28	01,*01*	B
7097	10	l 2, 1 m	11.33	*04*,04	B
7105	60	m 1, 2 n	11.61	*04*,04	B
7124	60	m 1, 2 n	11.61	*04*,04	B

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J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1174	10	h 1, N	*10.4*		F
1174	10	h 1, N	*10.4*		F
1202	60	m 2, 1 n	12.18	00,00	F
1202	60	n 3, 2 o	12.56	02,*02*	F
1257	10	l 2, N	*11.5*		F
1284	10	l 3, N	*11.6*		F
1531	60	l 5, 1 m	11.87	*01*,01	F
1873	11	l 4, N	*11.7*		F
1892	10	l 4, N	*11.7*		F
1930	10	g 2, 1 h	10.20	*01*,01	B
2378	11	2 d	8.73	A	Fe
2378	11	b 7, 2 c	8.68	05,*05*	F
2669	10	l 4, 2 m	11.77	*01*,01	F
2669	10	l 3	11.66	A	F
2697	10	g 3, 1 h	10.25	04,*04*	Fe
2697	10	h 2, 3 k	10.56	*05*,05	F
2970	10	l 2, N	*11.5*		F
3072	*60*	a 3, 2 b	7.83	00,00	Fd
3323	10	h 3, 2 k	10.66	*05*,05	B
3323	10	h 2, 3 k	10.56	*05*,05	B
3323	10	h 3, 2 k	10.66	*05*,05	B
3377	10	c 3, 3 d	8.88	25,*25*	B
3406	10	c 2, 3 d	8.83	20,*20*	B
3419	*100*	b 2, 1 c	8.48	*25*,25	B

194. *214247*. R Gruis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3491	12	h 2, 2 k	10.61	*10*,10	B
3744	12	c 3, 2 d	8.93	20,*20*	Be
3884	10	n 2, 3 o	12.46	02,*02*	B
3885	10	n 2, 1 o	12.56	*08*,08	B
4080	*61*	d 2, 3 e	8.97	16,*16*	B
4122	11	e 1, 2 f	9.30	*09*,09	B
4135	*61*	f 2, 2 g	9.79	00,00	B
4183	12	h 2, 1 k	10.66	*15*,15	B
4248	12	m 1, N	*12.0*		B
4430	10	2 d	8.73	A	Be
4451	10	e 1, 2 f	9.30	*09*,09	B
4500	10	h 4, 2 k	10.71	00,00	B
4805	10	g 2, 3 h	10.10	09,*09*	B
4806	10	3 h	10.01	A	Be
4806	13	f 2, 2 g	9.79	00,00	Be
4816	*70*	h 2	10.51	A	B
4832	10	h 2, 1 k	10.66	*15*,15	B
4842	10	k 3, 1 l	11.24	*03*,02	B
4855	10	l 3, 1 m	11.77	*11*,11	B
4872	60	m 2, 1 n	12.18	00,00	B
4972	11	n 2, 3 o	12.46	02,*02*	B
5190	10	l 3, 2 m	11.72	*06*,06	B
5276	10	m 1, N	*12.0*		B
5283	60	l 3	11.66	A	B
5297	12	l 2, 1 m	11.72	*16*,16	Be
5304	10	l 3, 3 m	11.67	*01*,01	B
5325	60	h 2	10.51	A	B
5368	111	a 4	7.93	A	Bde
5368	45	a 2	7.73	A	Be
5371	119	a 2	7.73	A	Be
5372	64	a 2, 1 b	7.83	*10*,10	Be
5372	55	a 3, 1 b	7.88	*05*,05	Be
5542	61	k 3	11.21	A	B
5557	60	m 2, N	*12.1*		B
5593	10	m 2, N	*12.1*		B
5613	60	n 3, 2 o	12.56	02,*02*	B
5620	10	n 3, 2 o	12.56	02,*02*	B
5668	11	k 1, 3 l	11.04	*03*,02	B
5722	63	c 2, 2 d	8.88	15,*15*	B
5887	10	m 1, N	*12.0*		B
5915	61	m 3, N	*12.2*		B
5939	61	m 1, N	*12.0*		B
5940	61	m 1, N	*12.0*		B
6018	10	g 3, 2 h	10.20	09,*09*	B
6018	60	f 3, 1 g	9.89	00,00	B
6019	60	f 4, 1 g	9.94	05,*05*	B
6027	60	e 1, 3 f	9.25	*04*,04	B
6030	60	c 3, 3 d	8.88	25,*25*	B
6033	60	c 2, 1 d	8.93	10,*10*	B
6045	60	b 4, 1 c	8.58	*15*,15	B
6057	60	b 3, 1 c	8.53	*20*,20	B
6061	60	b 4, 1 c	8.58	*15*,15	B
6061	11	c 1, 2 d	8.83	10,*10*	B
6062	10	2 d	8.73	A	Be
6079	60	c 3, 2 d	8.93	20,*20*	B
6093	63	e 2, 2 f	9.35	*04*,04	B
6268	61	n 1, 3 o	12.41	*03*,03	B
6272	10	l 4, 1 m	11.82	*06*,06	B
6297	60	k 1, 3 l	11.04	*03*,02	B
6302	10	h 2, 2 k	10.61	*10*,10	B
6310	60	h 2, 2 k	10.61	*10*,10	B
6312	60	h 2, 3 k	10.56	*05*,05	B
6321	60	h 2, 3 k	10.56	*05*,05	B
6331	62	h 1, 3 k	10.51	*10*,10	B
6331	60	h 2, 3 k	10.56	*05*,05	B
6339	62	f 3, 1 g	9.89	00,00	B
6340	61	f 3, 2 g	9.84	05,*05*	B
6340	60	g 2, 3 h	10.10	09,*09*	B
6344	68	f 3, 2 g	9.84	05,*05*	B
6345	60	f 1, 3 g	9.69	00,00	B
6355	61	c 2, 2 d	8.88	15,*15*	B
6359	60	c 1, 3 d	8.78	15,*15*	B
6360	61	c 2, 3 d	8.83	20,*20*	B
6361	68	b 3, 1 c	8.53	*20*,20	B
6376	60	b 4, 3 c	8.48	*05*,05	B
6396	60	b 4, 2 c	8.53	*10*,10	B
6396	10	b 3, 2 c	8.48	*15*,15	B
6396	10	4 d	8.53	A	Be
6397	60	b 5, 2 c	8.58	*05*,05	B
6398	71	b 4, 2 c	8.53	*10*,10	B
6402	66	b 5, 1 c	8.63	*10*,10	B
6408	60	b 4, 1 c	8.58	*15*,15	B
6419	75	d 1, 2 e	8.97	06,*06*	B
6419	66	d 1, 2 e	8.97	06,*06*	B
6435	71	e 2, 1 f	9.40	*09*,09	B
6461	62	g 2, 1 h	10.20	*01*,01	B
6632	10	l 2, 3 m	11.62	*06*,06	B
6634	11	l 2	11.56	A	B
6635	60	k 1	11.01	A	B
6636	11	k 2, 1 l	11.18	*07*,08	B
6652	61	h 4	10.71	A	B
6655	60	g 2, 1 h	10.20	*01*,01	B
6667	60	g 1, 2 h	10.10	*01*,01	B
6667	65	g 1, 2 h	10.10	*01*,01	B
6667	14	g 1, 1 h	10.15	*06*,06	B
6668	61	g 1, 3 h	10.05	04,*04*	B
6682	10	c 1, 2 d	8.83	10,*10*	B
6682	60	c 2, 3 d	8.83	20,*20*	B
6683	60	c 2, 1 d	8.93	10,*10*	B
6683	10	c 3, 2 d	8.93	20,*20*	B
6684	11	3 d	8.63	A	Be
6684	10	c 1, 3 d	8.78	15,*15*	Be
6684	60	c 1, 3 d	8.78	15,*15*	B
6692	10	b 3, 2 c	8.48	*15*,15	B
6692	63	b 4, 2 c	8.53	*10*,10	B
6694	60	b 4, 2 c	8.53	*10*,10	B
6694	60	b 4, 2 c	8.53	*10*,10	B
6697	61	b 4, 3 c	8.48	*05*,05	B
6698	60	b 4, 3 c	8.48	*05*,05	B
6711	71	b 2, 3 c	8.38	*15*,15	B
6711	65	b 4, 3 c	8.48	*05*,05	B
6713	61	b 3, 4 c	8.38	*05*,05	B
6715	63	b 4, 2 c	8.53	*10*,10	B
6715	64	b 4, 2 c	8.53	*10*,10	B
6726	60	b 5, 1 c	8.63	*10*,10	B
6727	61	b 4, 2 c	8.53	*10*,10	B
6727	63	b 4, 2 c	8.53	*10*,10	B
6733	61	b 5, 1 c	8.63	*10*,10	B
6745	60	c 3, 3 d	8.88	25,*25*	B
6752	60	e 1, 2 f	9.30	*09*,09	B
6753	60	e 2, 1 f	9.40	*09*,09	B
6754	60	e 1, 2 f	9.30	*09*,09	B
6755	60	e 1, 1 f	9.35	*14*,14	B
6760	62	f 1, 3 g	9.69	00,00	B
6766	60	e 3, 2 f	9.40	*01*,01	B
6780	62	f 2, 3 g	9.74	05,*05*	B
6783	62	g 2, 3 h	10.10	09,*09*	B
6790	60	h 2, 4 k	10.51	00,00	B
6802	68	k 1	11.01	A	B
6988	10	k 2, 1 l	11.18	*07*,08	B
6988	14	k 1, 2 l	11.08	*07*,08	B
6992	65	l 3	11.66	A	B
7000	60	h 1, 3 k	10.51	*10*,10	B
7001	62	h 2, 3 k	10.56	*05*,05	B
7004	60	g 3, 2 h	10.20	09,*09*	B
7006	65	f 3, 1 g	9.89	00,00	B
7010	60	c 3, 2 d	8.93	20,*20*	B
7010	14	e 1, 3 f	9.25	*04*,04	B
7017	60	c 3, 3 d	8.88	25,*25*	B
7018	10	d 2, 0 e, 3 f	9.18	*05*,*07*, 11	Be

194. *214247*. R Gruis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7020	75	c 2, 2 d	8.88	15,*15*	B
7021	61	c 2, 3 d	8.83	20,*20*	B
7035	*123*	b 2, 3 c	8.38	*15*,15	B
7037	61	c 2, 3 d	8.83	20,*20*	B
7038	60	c 1, 2 d	8.83	10,*10*	B
7038	10	d 2	9.13	A	Be
7039	10	d 1, 3 e	8.92	11,*11*	Be
7049	12	d 2, 2 e	9.02	11,*11*	B
7049	61	c 2, 3 d	8.83	20,*20*	B
7052	60	c 1, 2 d	8.83	10,*10*	B
7058	*121*	b 3, 1 c	8.53	*20*,20	B
7067	60	c 3, 1 d	8.98	15,*15*	B
7068	60	e 2, 3 f	9.30	01,*01*	B
7068	63	e 1, 3 f	9.25	*04*,04	B
7068	10	e 1, 2 f	9.30	*09*,09	B
7075	60	e 2, 1 f	9.40	*09*,09	B
7077	64	d 3, 1 e	9.12	11,*11*	B
7095	60	f 2, 1 g	9.84	*05*,05	B
7105	60	g 2, 2 h	10.15	04,*04*	B
7110	60	f 4, 2 g	9.89	10,*10*	B
7121	62	g 3, 2 h	10.20	09,*09*	B
7124	60	h 2, 3 k	10.56	*05*,05	B
7124	19	h 1, 2 k	10.56	*15*,15	B

197. 215605. V Pegasi.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1325	18	l 1, N	*12.7*		F
1549	11	c 1, 4 d	9.00	*02*,03	F
1605	20	h 4, 1 k	12.19	*02*,02	F
"	"	k 1, 2 l	12.45	*04*,04	B
1897	10	h 3, 2 k	12.09	*02*,02	F
1897	10	h 3, 2 k	12.09	*02*,02	F
1903	10	k 1, 4 l	12.35	06,*06*	F
1980	32	h 3, N	*12.0*		F
1996	10	m 1, N	*13.0*		B
2026	14	l 1	12.79	A	F
2352	10	l 3, N	*12.9*		F
2360	16	l 3, N	*12.9*		F
2372	11	l 1	12.79	A	F
2394	13	h 1, 5 k	11.84	03,*03*	F
2669	15	h 4, N	*12.1*		F
2727	10	e 1, 4 f	10.17	*04*,04	F
2762	14	d 6, 0 e, 5 f	11.06	*03*,*03*, 05	F
2770	12	d 6, 0 e, 5 f	11.06	*03*,*03*, 05	F

197. 215605. V Pegasi.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
2970	10	l 3, N	*12.9*		F
3103	20	g 2, 3 h	11.43	*04*,04	B
3146	10	l 1	12.79	A	F
3346	*60*	a 6, 0 b, 5 c	8.31	*03*,*05*, 07	F
3353	10	a 3, 1 b	8.07	*09*,09	B
3377	10	c 3, 2 d	9.20	*02*,03	B
3378	10	d 2, 3 e	9.68	*05*,05	B
3435	10	k 3, 2 l	12.55	06,*06*	B
3504	10	n 1, N	*13.3*		B
3531	12	m 2	13.14	A	B
3539	12	n 2, N	*13.4*		B
3562	11	l 1, N	*12.7*		B
3730	10	m 1, N	*13.0*		B
3771	13	o 1, N	*13.5*		B
3826	13	o 1, N	*13.5*		B
3873	20	n 2, 1 o	13.42	02,*03*	B
3885	10	o 1, N	*13.5*		B
3903	14	m 3, 2 n	13.14	10,*10*	B
3925	21	k 2, 2 l	12.50	01,*01*	B
4079	10	m 1, N	*13.0*		B
4142	19	o 1, N	*13.5*		B
4174	11	o 1, N	*13.5*		B
4207	10	m 1, N	*13.0*		B
4227	44	k 1, 2 l	12.45	*04*,04	B
4233	11	g 2, 2 h	11.48	*09*,09	Bp
4247	10	e 3, 2 f	10.37	*04*,04	B
4248	10	d 2, 3 e	9.68	*05*,05	B
4265	10	d 3, 1 e	9.83	*10*,10	B
4451	10	n 1, N	*13.3*		B
4517	42	g 1, 3 h	11.38	*09*,09	Be
4522	15	g 1, 3 h	11.38	*09*,09	B
4562	10	d 1, 3 e	9.63	*10*,10	B
4563	12	c 2, 3 d	9.10	*02*,03	B
4580	63	d 2, 3 e	9.68	*05*,05	B
4590	55	d 2, 1 e	9.78	*15*,15	B
4594	57	d 3, 2 e	9.78	*05*,05	B
4594	60	e 3, 2 f	10.37	*04*,04	B
4605	11	f 3, 2 g	10.95	*04*,04	B
4838	10	d 2, 3 e	9.68	*05*,05	B
4839	10	d 2, 3 e	9.68	*05*,05	B
4839	54	d 2, 3 e	9.68	*05*,05	B
4843	10	d 2, 3 e	9.68	*05*,05	B
4846	11	c 3, 1 d	9.26	*08*,07	B
4853	11	c 3, 1 d	9.26	*08*,07	B
4855	*58*	3 e	9.73	A	Be
4863	62	d 3, 2 e	9.78	*05*,05	B

197. 215605. V Pegasi.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4864	18	4 e	9.63	A	Be
4865	21	c 2, 1 d	9.20	*12*,13	B
4868	*70*	d 2, 3 e	9.68	*05*,05	B
4868	61	d 3, 3 e	9.73	00,00	B
4870	60	d 3, 2 e	9.78	*05*,05	B
4876	70	d 3, 3 e	9.73	00,00	B
4883	103	d 3, 3 e	9.73	00,00	Bi
4888	60	d 3, 0 e	9.88	*15*,15	B
4893	70	d 3, 2 e	9.78	*05*,05	B
4909	10	f 3, 2 g	10.95	*04*,04	B
4941	66	f 1, 1 g	10.90	*19*,19	B
4947	12	l 2, 1 m	12.86	03,*02*	B
4980	27	n 1	13.34	A	B
4993	68	o 3, 1 p	13.79	00,00	B
5168	60	d 3, 2 e	9.78	*05*,05	B
5171	59	d 3, 2 e	9.78	*05*,05	B
5190	10	e 2, 2 f	10.32	*09*,09	B
5224	67	g 2, 1 h	11.53	*14*,14	Bi
5234	62	k 2	12.51	A	Bi
5267	10	m 2, 3 n	13.04	10,*10*	B
5280	10	m 1, N	*13.0*		B
5310	60	n 2, N	*13.4*		B
5338	12	o 1, N	*13.5*		B
5347	11	n 1, N	*13.3*		B
5590	11	o 1, N	*13.5*		B
5592	11	o 1, N	*13.5*		B
5633	62	o 2, N	*13.6*		B
5664	19	n 1, N	*13.3*		B
5702	10	m 2, N	*13.1*		B
5723	75	k 2, 1 l	12.55	*04*,04	B
5751	87	f 3, 2 g	10.95	*04*,04	B
5896	10	o 1, N	*13.5*		B
5926	10	n 2, N	*13.4*		B
5947	10	m 1, N	*13.0*		B
6020	240	n 2, 1 o	13.42	02,*03*	B
6023	240	n 2, 3 o	13.32	12,*13*	B
6046	95	g 1, 2 h	11.43	*14*,14	B
6046	61	f 2, 1 g	10.95	*14*,14	B
6048	23	f 3, 2 g	10.95	*04*,04	B
6051	17	f 3, 2 g	10.95	*04*,04	B
6055	17	f 2, 3 g	10.85	*04*,04	B
6072	60	d 4, 1 e	9.88	*05*,05	B
6073	62	d 4, 1 e	9.88	*05*,05	B
6074	10	d 4, 2 e	9.83	00,00	B
6080	60	d 3, 2 e	9.78	*05*,05	B
6082	47	f 1, 3 g	10.80	*09*,09	B
6082	56	e 2, 1 f	10.37	*14*,14	B

197. 215605. V PEGASI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6083	70	e 1, 2 f	10.27	*14*,14	B
6086	19	e 2, 1 f	10.37	*14*,14	B
6086	87	e 1, 2 f	10.27	*14*,14	B
6101	90	f 3, 2 g	10.95	*04*,04	B
6298	60	k 2, 1 l	12.55	*04*,04	B
6299	88	m 1, 2 n	13.04	00,00	B
6302	10	l 2, 1 m	12.86	03,*02*	B
6311	10	k 3, 2 l	12.55	06,*06*	B
6311	60	l 2, 1 m	12.86	03,*02*	B
6312	10	k 2, 1 l	12.55	*04*,04	B
6319	60	h 3, 1 k	12.14	*07*,07	B
6322	65	f 3, 1 g	11.00	*09*,09	B
6338	68	e 3, 2 f	10.37	*04*,04	B
6339	60	d 4, 2 e	9.83	00,00	B
6339	66	e 1, 2 f	10.27	*14*,14	B
6340	10	e 2, 3 f	10.27	*04*,04	B
6341	60	c 4	9.20	A	Be
6341	73	e 1, 2 f	10.27	*14*,14	B
6347	301	d 1, 2 e	9.68	*15*,15	B
6351	67	d 2, 2 e	9.73	*10*,10	B
6358	60	c 1, 3 d	9.06	*08*,07	B
6358	10	c 2, 3 d	9.10	*02*,03	B
6360	10	c 2, 2 d	9.16	*08*,07	B
6360	60	c 2, 3 d	9.10	*02*,03	B
6361	60	c 1, 2 d	9.10	*12*,13	B
6366	76	d 1, 3 e	9.63	*10*,10	B
6371	86	d 1	9.53	A	B
6380	88	c 3, 1 d	9.26	*08*,07	B
6383	86	d 1, 4 e	9.58	*05*,05	B
6383	73	d 1, 3 e	9.63	*10*,10	B
6396	60	d 3, 3 e	9.73	00,00	B
6397	63	3 e	9.73	A	Be
6403	56	d 4, 2 e	9.83	00,00	B
6407	73	d 3, 1 e	9.83	*10*,10	B
6408	63	d 3, 3 e	9.73	00,00	B
6409	*77*	d 2, 2 e	10.73	*10*,10	B
6413	17	e 1, 3 f	10.22	*09*,09	B
6415	62	e 1, 3 f	10.22	*09*,09	B
6416	81	e 2, 1 f	10.37	*14*,14	Bde
6419	81	e 1, 2 f	10.27	*14*,14	B
6427	64	f 2, 1 g	10.95	*14*,14	B
6430	11	f 2, 1 g	10.95	*14*,14	B
6434	51	f 2	10.81	A	Be
6438	61	g 1, 2 h	11.43	*14*,14	B
6461	10	l 1, N	*12.7*		B
6634	10	m 1, 2 n	13.04	00,00	B
6636	10	m 1	13.04	A	B
6639	10	l 1	12.79	A	B
6654	11	f 1, 3 g	10.80	*09*,09	B
6654	60	e 3, 1 f	10.42	*09*,09	B
6655	10	f 1, 2 g	10.85	*14*,14	B
6656	42	e 2, 1 f	10.37	*14*,14	B
6668	65	d 3, 1 e	9.78	*05*,05	B
6670	18	d 2, 3 e	9.68	*05*,05	B
6671	96	d 3, 2 e	9.78	*05*,05	B
6678	54	d 3, 1 e	9.78	*05*,05	Be
6682	61	d 2, 1 e	9.78	*15*,15	B
6682	60	e 1, 3 f	10.22	*09*,09	B
6683	61	e 1, 3 f	10.22	*09*,09	B
6684	10	d 3, 1 e	9.83	*10*,10	B
6685	10	e 1, 3 f	10.22	*09*,09	B
6685	61	d 3, 3 e	9.73	00,00	B
6694	10	e 2, 3 f	10.27	*04*,04	B
6695	60	d 3, 2 e	9.78	*05*,05	B
6695	60	2 f	10.41	A	Be
6696	63	e 3, 2 f	10.37	*04*,04	B
6704	58	e 3, 2 f	10.37	*04*,04	Bi
6705	60	f 4, 2 g	11.00	01,*01*	B
6711	.68	f 3, 1 g	11.00	*09*,09	B
6711	15	f 3, 3 g	10.90	*01*,01	B
6711	10	f 2, 2 g	10.90	*09*,09	B
6712	68	f 3, 1 g	11.00	*09*,09	B
6724	60	h 1, 2 k	11.99	*12*,12	B
6727	63	g 2, 2 h	11.48	*09*,09	B
6731	60	h 1, 2 k	11.99	*12*,12	B
6741	109	k 1, 2 l	12.45	*04*,04	B
6796	*60*	k 1, N	*12.4*		B
7001	67	d 3, 3 e	9.73	00,00	B
7009	61	d 2, 1 e	9.78	*15*,15	B
7009	65	d 3, 2 e	9.78	*05*,05	B
7011	43	d 3	9.73	A	Br
7020	60	e 2, 3 f	10.27	*04*,04	B
7020	10	f 1, 3 g	10.80	*09*,09	B
7021	61	e 2, 2 f	10.32	*09*,09	B
7028	10	f 3, 1 g	11.00	*09*,09	B
7028	10	g 1, 3 h	11.38	*09*,09	B
7029	10	f 2, 1 g	10.95	*14*,14	B
7029	75	f 3, 1 g	11.00	*09*,09	B
7029	60	f 3, 2 g	10.95	*04*,04	B
7029	64	h 1	11.87	A	Lde
7048	60	f 3, 1 g	11.00	*09*,09	B
7049	10	g 3, 1 h	11.58	*09*,09	B
7049	60	h 1, 3 k	11.94	*07*,07	B
7049	58	g 2, 2 h	11.48	*09*,09	B
7053	64	g 2, 1 h	11.53	*14*,14	B
7075	12	l 1, 2 m	12.76	03,*02*	B
7080	14	l 2, 1 m	12.86	03,*02*	B
7096	60	m 2, 1 n	13.14	00,00	B
7154	32	n 2, N	*13.4*		B
7166	15	m 2, N	*13.1*		B

198. 220133b. RZ PEGASI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1325	10	p 1, N	*11.9*		B
1724	10	r 1	12.68	A	B
1739	10	o 1, N	*11.8*		B
1964	13	k 3, 2 l	10.55	*06*,06	B
2014	19	o 1, N	*11.8*		B
2027	13	o 1, N	*11.8*		B
2349	11	q 1, 2 r	12.34	*03*,04	B
2353	12	q 1	12.31	A	B
2395	12	q 3	12.51	A	B
2679	15	t 1, N	*13.0*		B
2709	20	u 1, N	*13.1*		B
2727	14	r 1	12.68	A	B
2762	11	r 1, N	*12.6*		B
3052	10	q 1, N	*12.3*		B
3096	24	q 2, N	*12.4*		B
3155	13	s 1, N	*12.8*		B
3408	10	q 1, N	*12.3*		B
3743	16	n 1, 3 o	11.33	*14*,14	B
3792	10	n 3, 1 o	11.53	*14*,14	B
3831	32	s 2, 1 t	12.93	05,*05*	B
4183	12	m 3, 2 n	11.05	16,*16*	B
4185	16	m 2, 2 n	11.00	11,*11*	Bi
4185	10	n 2, 3 o	11.38	*09*,09	Bi
4189	10	n 3, 1 o	11.53	*14*,14	B
4291	11	p 1, N	*11.9*		B
4518	12	l 3, 1 m	10.96	15,*15*	B
4588	10	m 1, 3 n	10.90	11,*11*	B
4594	16	n 3, 2 o	11.48	*09*,09	B
4884	10	t 1	13.08	A	B
4912	13	r 1, 2 s	12.63	05,*05*	B
4938	18	m 2, 2 n	11.00	11,*11*	B
5347	10	r 1, N	*12.6*		B
5362	20	r 1, 1 s	12.68	00,00	B
5556	60	s 2, 2 t	12.88	10,*10*	B
5652	18	r 1, N	*12.6*		B
5686	13	r 1, N	*12.6*		B
5974	10	p 2, 1 q	12.10	*01*,01	B

198. 220133b. RZ Pegasi.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5993	13	p 1, N	*11.9*		B
6056	14	r 1, N	*12.6*		B
6683	60	n 4, 2 o	11.53	*04*,04	B
6739	18	f 1, 2 g	9.90	01,*01*	B
6757	13	f 2, 3 g	9.90	11,*11*	B
6783	*84*	l 1, N	*10.9*		B
6811	*67*	l 1, N	*10.9*		B
6853	*86*	l 1, N	*10.9*		B
7027	*62*	l 1, N	*10.9*		B
7207	*60*	k 1, N	*10.2*		B

201. *221321*. X Aquarii.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1243	60	e 2, 2 f	9.96	00,*01*	B
1249	60	f 1, 2 g	10.28	*03*,04	B
1273	12	g 2, 2 h	10.74	*02*,01	B
1276	35	g 3, 2 h	10.78	04,*03*	B
1276	10	g 3	10.83	A	Bd
1300	60	l 2, 1 m	11.88	02,*01*	B
1556	10	e 3, 1 f	10.06	00,*01*	B
1559	11	e 2, 2 f	9.96	00,*01*	B
1898	10	k 3, 2 l	11.56	06,*06*	B
2727	10	d 2, 2 e	9.58	02,*02*	B
2727	10	d 1, 3 e	9.48	02,*02*	B
2762	9	c 3, 0 d, 4 e	9.33	*09*,07, 03	B
2762	10	d 1, 2 e	9.53	*03*,03	B
3051	*65*	a 2, 1 b	8.26	*06*,07	B
3052	10	b 2, 3 c	8.64	*01*,00	B
3149	10	k 3, 2 l	11.56	06,*07*	B
3309	10	l 1, N	*11.8*		B
3324	10	g 2, 2 h	10.74	*02*,01	B
3349	12	c 2, 2 d	9.17	*03*,03	B
3352	10	b 3, 1 c	8.78	*05*,06	B
3371	*74*	b 3, 2 c	8.74	*01*,00	B
3371	10	b 3, 2 c	8.74	*01*,00	B
3372	*67*	b 2, 3 c	8.64	*01*,00	B
3374	*73*	b 2, 3 c	8.64	*01*,00	B
3377	13	b 2, 3 c	8.64	*01*,00	B
3378	10	a 3, 1 b	8.32	*02*,01	B
3426	10	e 3, 1 f	10.06	00,*01*	B
3435	11	f 2, 1 g	10.38	*03*,04	B
3443	12	g 3, 1 h	10.84	*02*,01	B
3481	13	n 1, N	*12.3*		B
3533	15	n 1, N	*12.3*		B
3645	20	g 2, 3 h	10.68	04,*03*	B
3660	26	c 3, 2 d	9.22	02,*02*	B
3693	26	c 1, 3 d	9.07	*03*,03	B
3702	24	c 1, 3 d	9.07	*03*,03	B
3715	20	c 1, 2 d	9.12	*08*,08	B
3719	20	d 2, 3 e	9.53	07,*07*	B
3728	30	e 1, 2 f	9.90	*04*,05	B
3741	20	f 2, 2 g	10.34	01,*02*	B
3747	16	f 2, 1 g	10.38	*03*,04	B
3749	14	h 2	11.15	A	Be
3751	28	g 1, 3 h	10.64	*02*,01	B
3761	19	g 3, 1 h	10.84	*02*,01	B
3762	25	g 3, 2 h	10.78	04,*03*	B
3778	26	k 3, 1 l	11.61	01,*01*	B
3790	27	l 3, 1 m	11.94	06,*07*	B
3806	25	m 2, 1 n	12.17	00,00	B
3829	28	q 2, 3 r	13.06	01,*02*	B
3846	14	q 2, 2 r	13.10	*03*,04	B
3867	33	p 2, N	*12.6*		B
3888	28	p 2, N	*12.6*		B
3905	10	l 2, N	*11.9*		B
4035	10	c 1, 3 d	9.07	*03*,03	B
4073	10	f 2, 2 g	10.34	01,*02*	B
4085	10	g 2, 3 h	10.68	04,*03*	B
4126	10	m 3, 2 n	12.17	10,*10*	B
4182	10	p 1, N	*12.5*		B
4216	66	q 3, 2 r	13.16	01,*02*	B
4261	10	l 1	11.80	A	B
4438	10	m 3, 1 n	12.22	05,*05*	B
4549	10	m 1, N	*12.0*		B
4605	10	c 3, 2 d	9.22	02,*02*	B
4826	14	o 1, N	*12.4*		B
4839	10	p 1, N	*12.5*		B
4865	13	m 3, 2 n	12.17	10,*10*	B
4904	63	e 3, 0 f, 3 g	10.14	*08*,01, 08	B
4920	12	b 3, 2 c	8.74	*01*,00	B
4925	60	b 1, 4 c	8.54	*01*,00	B
4927	60	b 1, 3 c	8.58	*05*,06	B
4928	67	a 3, 1 b	8.32	*02*,01	B
4930	10	b 1, 3 c	8.58	*05*,06	B
4938	79	b 1, 4 c	8.54	*01*,00	B
4939	*143*	b 1, 3 c	8.58	*05*,06	B
4949	72	b 2, 3 c	8.64	*01*,00	B
4952	62	b 2, 3 c	8.64	*01*,00	B
4965	*67*	b 2, 1 c	8.74	*11*,10	B
4979	64	c 3, 1 d	9.27	*03*,03	B
4982	57	c 3, 1 d	9.27	*03*,03	B
4983	*68*	d 1	9.50	A	Be
5186	10	m 1	12.07	A	B
5225	64	b 4, 2 c	8.78	05,*04*	Bi
5229	79	b 4, 3 c	8.74	09,*10*	B
5233	89	b 2, 3 c	8.64	*01*,00	B
5234	60	a 3, 1 b	8.32	*02*,01	Bi
5234	*70*	b 1, 3 c	8.58	*05*,06	Be
5235	60	b 2, 3 c	8.64	*01*,00	B
5262	12	b 1, 4 c	8.54	*01*,00	B
5264	60	b 3, 3 c	8.68	05,*04*	B
5267	10	b 2, 1 c	8.74	*11*,10	B
5275	12	b 3, 1 c	8.78	*05*,06	B
5276	10	b 2, 1 c	8.74	*11*,10	B
5280	10	b 4, 1 c	8.84	*01*,00	B
5281	10	b 4, 1 c	8.84	*01*,00	B
5282	10	b 4, 0 c, 3 d	8.96	*13*,*02*, 14	B
5282	66	c 1, 3 d	9.07	*03*,03	B
5290	60	c 2, 2 d	9.17	*03*,03	B
5305	60	e 2, 0 f, 3 g	10.11	*15*,04, 11	B
5308	60	f 1, 3 g	10.24	01,*02*	B
5312	65	e 2, 1 f	10.00	*04*,05	B
5556	60	d 2, 3 e	9.53	07,*07*	B
5560	60	d 2, 3 e	9.53	07,*07*	B
5561	61	d 1, 3 e	9.48	02,*02*	B
5562	10	d 2, 3 e	9.53	07,*07*	B
5576	60	d 2, 3 e	9.53	07,*07*	B
5589	60	c 3, 1 d	9.27	*03*,03	B
5590	10	d 1, 2 e	9.53	*03*,03	B
5592	10	c 2, 1 d	9.22	*08*,08	B
5599	61	c 3, 1 d	9.27	*03*,03	B
5604	61	d 2, 1 e	9.63	*03*,03	B
5604	60	e 2, 2 f	9.96	00,*01*	B
5618	60	e 3, 1 f	10.06	00,*01*	B
5620	10	e 2, 0 f, 2 g	10.14	*18*,01, 18	B
5620	61	e 2, 0 f, 3 g	10.11	*15*,04, 11	B
5621	10	f 2, 1 g	10.38	*03*,04	B
5631	64	g 1, 2 h	10.68	*06*,07	B
5634	60	g 1, 2 h	10.68	*06*,07	B
5635	60	g 1	10.62	A	B
5638	10	g 3, 2 h	10.78	04,*03*	B
5646	65	k 2	11.52	A	B
5649	10	k 1, 1 l	11.51	*09*,09	B
5659	60	k 2, 1 l	11.56	*04*,03	Bd

201. *221321.* X Aquarii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
5716	67	p 2, N	*12.6*		B
5717	48	m 1, N	*12.0*		B
5887	60	b 2, 3 c	8.64	*01*,00	B
5896	10	b 3, 2 c	8.74	*01*,00	B
5897	10	b 3, 2 c	8.74	*01*,00	B
5897	60	b 3, 3 c	8.68	05,*04*	B
5898	60	b 3, 2 c	8.74	*01*,00	B
5911	60	c 1, 4 d	9.02	02,*02*	B
5918	60	b 4, 1 c	8.84	*01*,00	B
5926	60	c 2, 3 d	9.12	02,*02*	B
5926	10	b 4, 1 c	8.84	*01*,00	B
5933	60	c 3, 2 d	9.22	02,*02*	B
5934	60	d 1, 3 e	9.48	02,*02*	B
5940	61	c 3, 1 d	9.27	*03*,03	B
5942	60	d 2, 3 e	9.53	07,*07*	B
5943	60	d 2, 1 e	9.63	*03*,03	B
5945	60	d 1, 3 e	9.48	02,*02*	B
5947	86	d 2, 0 e, 3 f	9.74	*14*,02, 11	B
5976	62	k 1	11.42	A	B
5982	88	p 1, N	*12.5*		B
6018	207	p 3, 2 q	12.70	04,*03*	B
6061	10	n 1, N	*12.3*		B
6249	60	e 1, 2 f	9.90	*04*,05	B
6264	63	g 2	10.72	A	B
6270	10	g 3, 2 h	10.78	04,*03*	B
6278	64	k 1	11.42	A	B
6302	10	l 1, 2 m	11.78	02,*01*	B
6360	10	l 1, N	*11.8*		B
6461	10	g 3, 0 h, 2 k	10.96	*14*,*01*, 16	B
6604	60	k 1, 2 l	11.46	*04*,04	B
6632	10	n 1, N	*12.3*		B
6684	10	p 2, N	*12.6*		B
6780	62	f 2, 2 g	10.34	01,*02*	B
6781	68	f 4	10.55	A	B
6790	*71*	b 3, 1 c	8.78	*05*,06	B
6793	61	b 3, 2 c	8.74	*01*,00	B
6794	66	b 3, 2 c	8.74	*01*,00	B
6811	65	b 3, 2 c	8.74	*01*,00	B
6813	*87*	b 2, 3 c	8.64	*01*,00	B
6824	65	b 3, 2 c	8.74	*01*,00	B
7020	11	p 1, N	*12.5*		B
7049	10	k 1, N	*11.4*		B
7095	60	g 2, 3 h	10.68	04,*03*	B
7097	60	g 1, 3 h	10.64	*02*,01	B
7097	10	g 1, 3 h	10.64	*02*,01	B
7108	60	c 3, 1 d	9.27	*03*,03	B
7114	61	c 2, 3 d	9.12	02,*02*	B
7121	60	c 1, 3 d	9.07	*03*,03	B
7124	11	c 3, 2 d	9.22	02,*02*	B
7135	68	c 1, 3 d	9.07	*03*,03	B
7142	77	c 1, 4 d	9.02	02,*02*	B
7159	10	c 1, 2 d	9.12	*08*,08	B
7164	60	c 3, 2 d	9.22	02,*02*	B
7175	62	c 3, 1 d	9.27	*03*,03	B
7193	58	f 1, 2 g	10.28	*03*,04	B
7194	61	e 3, 1 f	10.06	00,*01*	B

203. *221722.* RT Aquarii.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1207	60	h 2, 1 k	10.79	11,*11*	B
1243	60	h 2, 1 k	10.79	11,*11*	B
1276	35	e 3, 2 g	10.15	*13*,13	B
1276	10	e 4, 1 g	10.25	*13*,13	B
1300	60	b 5, 1 c	9.42	00,00	B
1559	11	b 3, 2 c	9.27	*05*,05	B
1618	60	b 3, 1 c	9.32	*10*,10	B
1898	15	e 3, 2 g	10.15	*13*,13	B
1903	10	e 3, 1 g	10.20	*18*,18	B
1931	*135*	b 3, 1 c	9.32	*10*,10	B
2727	10	m 2, 1 n	11.47	*04*,04	B
2762	9	g 2, 2 h	10.59	09,*09*	B
2762	10	g 1, 2 h	10.54	04,*04*	Be
2769	10	e 3, 3 g	10.10	*08*,08	B
2972	10	k 2, 1 l	10.96	02,*03*	B
3051	*65*	e 1	9.82	A	B
3149	10	e 2, 3 g	10.05	*13*,13	B
3309	10	b 4, 3 c	9.27	05,*05*	B
3324	10	b 4, 3 c	9.27	05,*05*	B
3349	12	b 3, 3 c	9.22	00,00	B
3352	10	b 3, 1 c	9.32	*10*,10	B
3353	15	4 c	9.12	A	Be
3371	74	b 3, 2 c	9.27	*05*,05	B
3377	13	b 4, 2 c	9.32	00,00	B
3378	10	c 1, 2 d	9.50	12,*13*	B
3406	10	e 3, 3 g	10.10	*08*,08	B
3426	10	g 2, 0 h, 2 k	10.65	03,05, *07*	B
3435	11	g 2, 1 h	10.64	04,*04*	B
3443	12	k 3, 1 l	11.00	08,*07*	B
3481	13	l 2, 1 m	11.18	05,*05*	B
3499	10	h 2, 1 k	10.79	11,*11*	B
3502	15	g 2, 3 h	10.54	14,*14*	B
3504	10	e 3, 1 g	10.20	*18*,18	B
3533	15	b 3, 3 c	9.22	00,00	B
3645	20	e 3, 3 g	10.10	*08*,08	B
3660	26	g 2, 1 h	10.64	04,*04*	B
3693	26	l 1, 2 m	11.08	05,*05*	B
3702	24	m 2, 1 n	11.47	*04*,04	B
3715	20	m 1, 3 n	11.32	01,*01*	B
3719	20	m 3, 2 n	11.47	06,*06*	B
3728	30	l 2, 1 m	11.18	05,*05*	B
3741	20	l 2, 1 m	11.18	05,*05*	B
3747	16	g 2, 1 h	10.64	04,*04*	B
3751	28	g 1, 3 h	10.49	09,*09*	B
3759	10	e 3, 4 g	10.05	*03*,03	B
3761	19	e 2, 3 g	10.05	*13*,13	B
3762	25	e 1, 2 g	10.05	*23*,23	B
3771	13	c 1, 2 d	9.50	12,*13*	Be
3778	26	b 3, 2 c	9.27	*05*,05	B
3790	27	b 2, 4 c	9.12	00,00	B
3791	13	b 4, 3 c	9.27	05,*05*	B
3806	25	b 3, 1 c	9.32	*10*,10	B
3826	13	b 3, 3 c	9.22	00,00	B
3829	28	b 3, 3 c	9.22	00,00	B
3835	12	b 4, 3 c	9.27	05,*05*	B
3846	14	b 4, 2 c	9.32	00,00	B
3867	33	e 1, 4 g	9.95	*13*,13	B
3878	14	e 2, 3 g	10.05	*13*,13	B
3888	28	e 1, 4 g	9.95	*13*,13	B
3892	12	g 2, N	*10.6*		B
3905	10	g 1, 2 h	10.54	04,*04*	B
4035	10	c 1, 1 d	9.54	08,*07*	B
4073	10	b 3, 4 c	9.17	05,*05*	B
4085	10	b 4, 3 c	9.27	05,*05*	B
4107	11	d 2, 1 e	9.70	07,*08*	B
4108	10	b 4, 2 c	9.32	00,00	B
4126	10	e 2, 2 g	10.10	*18*,18	B
4136	13	e 2, 1 g	10.15	*23*,23	Be
4142	13	g 2, 2 h	10.59	09,*09*	B
4146	11	g 1, 2 h	10.54	04,*04*	B
4154	22	g 2, 2 h	10.59	09,*09*	B
4168	*62*	m 1, N	*11.3*		B
4182	10	m 1, N	*11.3*		B
4216	66	m 1, 2 n	11.37	*04*,04	B
4223	18	m 2, 1 n	11.47	*04*,04	B
4232	10	h 1, 1 k	10.74	06,*06*	B
4233	10	h 1, 1 k	10.74	06,*06*	B
4244	10	g 1, 3 h	10.49	09,*09*	B

203. *221722.* RT AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4261	10	e 3, 3 g	10.10	*08*,08	B
4438	10	n 1, 2 o	11.71	00,00	B
4452	10	h 1, N	*10.8*		B
4549	10	b 2, 4 c	9.12	00,00	B
4606	15	c 1, 1 d	9.54	08,*07*	B
4823	10	b 4, 2 c	9.32	00,00	B
4825	*70*	b 3, 3 c	9.22	00,00	B
4839	10	b 4, 2 c	9.32	00,00	B
4841	10	b 3, 2 c	9.27	*05*,05	B
4847	10	c 1, 1 d	9.54	08,*07*	B
4862	64	e 2, 3 g	10.05	*13*,13	B
4865	13	e 3, 3 g	10.02	*15*,16	B
4868	64	e 3, 1 g	10.20	*18*,18	B
4891	61	g 2, 1 h	10.64	04,*04*	B
4892	60	g 1, 2 h	10.54	04,*04*	B
4920	11	l 2, 1 m	11.18	05,*05*	B
4928	75	m 1, 2 n	11.37	*04*,04	B
4983	*68*	e 3, 2 g	10.15	*13*,13	B
5186	10	m 1, 1 n	11.42	*09*,09	B
5262	12	e 2, 3 g	10.05	*13*,13	B
5267	10	c 2, 1 d	9.60	12,*13*	B
5275	10	c 1, 1 d	9.54	08,*07*	B
5275	10	b 4, 1 c	9.37	*05*,05	B
5281	10	b 4, 2 c	9.32	00,00	B
5282	10	b 2, 4 c	9.12	00,00	B
5289	60	b 3, 3 c	9.22	00,00	B
5304	10	4 c	9.12	A	Be
5305	60	b 1, 4 c	9.07	*05*,05	B
5308	60	b 1, 4 c	9.07	*05*,05	B
5333	61	b 3, 2 c	9.27	*05*,05	B
5527	60	b 2, 4 c	9.12	00,00	B
5532	60	b 3, 4 c	9.17	05,*05*	B
5556	60	b 3, 4 c	9.17	05,*05*	B
5560	60	b 1, 4 c	9.07	*05*,05	B
5561	61	A 3, 2 a	8.64	02,*02*	B
5561	60	b 1, 4 c	9.07	*05*,05	B
5562	10	b 1, 4 c	9.07	*05*,05	B
5571	11	4 c	9.12	A	Be
5576	60	a 2, 1 b	8.92	10,*10*	B
5592	10	b 3, 2 c	9.27	*05*,05	B
5599	61	e 3, 2 g	10.15	*13*,13	B
5614	60	e 3, 1 g	10.20	*18*,18	B
5620	10	g 1, 2 h	10.54	04,*04*	B
5620	61	e 4, 1 g	10.25	*13*,13	B
5621	10	g 2, 1 h	10.64	04,*04*	B
5638	10	h 1, 2 k	10.69	11,*11*	B
5648	62	h 1	10.80	A	B
5689	60	k 2, 1 l	10.96	02,*03*	B
5716	67	l 1, 0 m, 3 n	11.22	*09*,01, 09	B
5717	48	h 1, 2 k	10.69	11,*11*	B
5717	62	h 1, 1 k	10.74	06,*06*	B
5719	74	h 1, 2 k	10.69	11,*11*	B
5720	61	h 1, 2 k	10.69	11,*11*	B
5896	10	l 2, 1 m	11.18	05,*05*	B
5926	10	m 1, 2 n	11.37	*04*,04	B
5934	60	m 1, 2 n	11.37	*04*,04	B
5943	60	n 1, 2 o	11.71	00,00	B
5976	62	e 3, 1 g	10.20	*18*,18	B
6013	60	b 3, 3 c	9.22	00,00	B
6015	60	b 3, 4 c	9.17	05,*05*	B
6017	60	b 4, 2 c	9.32	00,00	B
6017	20	b 3, 3 c	9.22	00,00	B
6018	207	b 3, 3 c	9.22	00,00	B
6018	10	b 3, 2 c	9.27	*05*,05	B
6019	60	b 3, 3 c	9.22	00,00	B
6027	60	b 3, 4 c	9.17	05,*05*	B
6029	75	b 1, 4 c	9.07	*05*,05	B
6047	60	b 4, 3 c	9.27	05,*05*	B
6051	95	b 1, 5 c	9.02	00,00	B
6057	60	b 3, 4 c	9.17	05,*05*	B
6061	10	a 1, 1 b	8.87	05,*05*	B
6079	60	b 3, 4 c	9.17	05,*05*	B
6085	61	b 4, 2 c	9.32	00,00	B
6093	10	b 4, 1 c	9.37	*05*,05	B
6107	62	e 3	10.02	A	B
6249	60	b 4, 2 c	9.32	00,00	B
6264	63	b 3, 3 c	9.22	00,00	B
6269	62	A 3, 1 a	8.69	*03*,03	B
6270	10	a 1, 2 b	8.82	10,*10*	B
6278	64	A 2, 3 a	8.54	02,*02*	B
6282	60	A 1, 3 a	8.49	*03*,03	B
6297	60	A 3, 2 a	8.64	02,*02*	B
6302	62	b 3, 3 c	9.22	00,00	B
6302	10	b 2, 4 c	9.12	00,00	B
6311	60	b 2, 4 c	9.12	00,00	B
6320	68	b 3, 3 c	9.22	00,00	B
6331	60	d 2, 1 e	9.70	07,*08*	B
6340	60	e 2, 3 g	10.05	*13*,13	B
6342	60	e 4, 2 g	10.20	*08*,08	B
6347	88	e 2, 2 g	10.10	*18*,18	B
6354	60	e 4, 2 g	10.20	*08*,08	B
6360	10	g 1, 2 h	10.54	04,*04*	B
6360	61	e 3, 2 g	10.15	*13*,13	B
6376	60	h 1, 1 k	10.74	06,*06*	B
6397	60	h 2, 1 k	10.79	11,*11*	B
6447	*87*	b 2, 1 c	9.27	*15*,15	B
"	"	d 2, 1 e	9.70	07,*08*	B
6461	10	e 4, 1 g	10.25	*13*,13	B
6632	10	h 2, 1 k	10.79	11,*11*	B
6642	60	g 3, 1 h	10.69	09,*09*	B
6647	63	h 2, 1 k	10.79	11,*11*	B
6662	10	k 1, N	*10.8*		B
6684	10	l 2, 2 m	11.13	10,*10*	B
6685	60	h 1, 1 k	10.74	06,*06*	B
6697	61	k 2, 1 l	10.96	02,*03*	B
6713	60	e 3, 4 g	10.05	*03*,03	B
6715	61	e 3, 2 g	10.15	*13*,13	B
6740	60	b 4, 3 c	9.27	05,*05*	B
6752	62	b 3, 4 c	9.17	05,*05*	B
6755	60	b 2, 4 c	9.12	00,00	B
6760	60	b 4, 3 c	9.27	05,*05*	B
6765	60	b 1, 4 c	9.07	*05*,05	B
6766	63	b 1, 4 c	9.07	*05*,05	B
6780	62	b 2, 4 c	9.12	00,00	B
6781	68	b 3, 3 c	9.22	00,00	B
6793	61	b 3, 4 c	9.17	05,*05*	B
6794	66	b 3, 4 c	9.17	05,*05*	B
6797	71	b 3, 4 c	9.17	05,*05*	B
6811	65	b 4, 2 c	9.32	00,00	B
6824	65	e 2, 1 g	10.15	*23*,23	B
6988	61	b 3, 3 c	9.22	00,00	B
7000	60	b 3, 4 c	9.17	05,*05*	B
7009	14	b 3, 3 c	9.22	00,00	B
7020	10	a 1, 1 b	8.87	05,*05*	B
7039	66	b 3, 4 c	9.17	05,*05*	B
7052	71	b 3, 3 c	9.22	00,00	B
7067	60	e 1, 3 g	10.00	*18*,18	B
7068	63	c 1, 2 d	9.50	12,*13*	B
7077	64	e 3, 2 g	10.15	*13*,13	B
7079	60	e 2, 3 g	10.05	*13*,13	B
7095	60	g 1, 2 h	10.54	04,*04*	B
7097	60	h 1, 2 k	10.69	11,*11*	B
7097	10	g 2, 1 h	10.64	04,*04*	B
7193	58	e 2, 3 g	10.05	*13*,13	B
7194	61	e 3, 2 g	10.15	*13*,13	B

204. *221938.* T GRUIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1201	60	d 3, 2 e	8.76	02,*03*	F

204. *221938.* T Gruis.

J.D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1203	60	d 4, 2 e	8.80	08,*07*	F
1206	60	d 3, 2 e	8.76	02,*03*	F
1220	60	d 5, 0 e, 4 f	8.95	03,*02*, *02*	F
1236	60	e 4, 1 f	9.28	05,*05*	F
1257	10	k 1, 3 l	10.46	04,*04*	F
1276	10	g 3, N	*10.0*		F
1284	12	g 4, N	*10.1*		Fe
1531	64	h 4, 0 k, 4 l	10.39	06,01, *07*	F
1620	60	d 3, 2 e	8.76	02,*03*	F
1630	*60*	e 2	9.13	A	F
1642	*60*	c 2	8.46	A	F
1898	10	d 4, 1 e	8.86	02,*03*	Fe
1898	10	d 2, 2 e	8.70	*02*,03	F
1946	10	l 3, 1 m	11.04	*02*,03	F
1946	10	k 4, 0 l, 5 m	10.73	07,*01*, *06*	F
1963	10	l 1, N	*10.8*		F
2005	*104*	d 4, 1 e	8.86	02,*03*	F
2008	*70*	d 5, 0 e	8.96	02,*03*	F
2310	60	d 2	8.68	A	F
2334	102	f 1, 3 g	9.44	*01*,01	F
2669	10	4 h	9.65	A	F
2672	10	d 5, 0 e, 4 f	8.95	03,*02*, *02*	F
2672	10	d 5, 0 e, 4 f	8.95	03,*02*, *02*	F
2722	*82*	d 3, 3 e	8.70	08,*07*	F
2734	10	f 2, 2 g	9.54	*01*,01	F
"	"	e 4, 0 f, 4 g	9.34	*01*,*01*, 01	F
2734	10	e 5, 0 f, 4 g	9.37	06,*04*, *02*	F
"	"	f 1, 3 g	9.44	*01*,01	F
2971	10	d 1, 4 e	8.56	02,*03*	F
2972	10	d 4, 2 e	8.80	08,*07*	F
3024	11	k 3, 2 l	10.61	09,*09*	F
"	"	k 4, 1 l	10.71	09,*09*	F
3052	10	l 3, 2 m	11.00	02,*03*	F
3099	*62*	d 4, 1 e	8.86	02,*03*	F
3101	*64*	d 3, 2 e	8.76	02,*03*	F
3352	10	e 5, 0 f, 4 g	9.37	06,*04*, *02*	F
3353	10	e 5, 0 f, 4 g	9.37	07,*04*, *02*	F
3374	*60*	d 2, 3 e	8.66	02,*03*	F
3378	10	d 2, 2 e	8.70	*02*,03	F
3407	10	d 5, 0 e, 4 f	8.95	03,*02*, *02*	F
3472	10	l 4, 2 m	11.04	08,*07*	F
3692	10	e 2, 2 f	9.13	00,00	B
3702	10	e 3, 2 f	9.18	05,*05*	B
3716	10	f 3, 1 g	9.64	*01*,01	B
3727	10	k 1, 2 l	10.51	*01*,01	B
3742	10	k 2, 3 l	10.51	09,*09*	B
3747	13	k 2	10.60	A	B
3749	22	k 2, 3 l	10.51	09,*09*	B
3758	11	g 2, 0 h, 2 k	10.07	*12*,*02*, 13	B
3759	10	h 2, 2 k	10.22	03,*02*	B
3778	10	e 3, 2 f	9.18	05,*05*	B
3790	10	d 2, 2 e	8.70	*02*,03	B
3806	14	d 2, 1 e	8.76	*08*,07	B
3828	11	f 1, 3 g	9.44	*01*,01	B
3846	12	f 2, 3 g	9.49	04,*04*	B
3861	11	f 5, 1 g	9.74	09,*09*	Ld
3874	13	f 3, 1 g	9.64	*01*,01	B
3887	12	f 3, 1 g	9.64	*01*,01	B
3892	12	e 3, 1 f	9.23	00,00	B
4035	10	h 2, 2 k	10.22	03,*02*	B
4058	10	f 2, 3 g	9.49	04,*04*	B
4073	10	d 3, 2 e	8.76	02,*03*	B
4085	11	e 1, 3 f	9.03	00,00	B
4108	10	f 2, 2 g	9.54	*01*,01	B
4126	11	k 2, 2 l	10.56	04,*04*	B
4144	10	m 1, 2 n	11.31	*04*,04	B
4146	10	l 2, 1 m	11.00	*08*,07	B
4182	10	f 1, 3 g	9.44	*01*,01	B
4199	*60*	d 1, 3 e	8.60	*02*,03	B
4221	63	e 1, 2 f	9.08	*05*,05	B
4232	12	e 1, 3 f	9.03	00,00	B
4252	11	e 3, 2 f	9.18	05,*05*	B
4252	10	f 3, 2 g	9.59	04,*04*	B
4261	10	f 1, 2 g	9.49	*06*,06	B
4438	10	h 2, 1 k	10.28	*03*,02	B
4448	10	f 2, 2 g	9.54	*01*,01	B
4452	10	f 1, 2 g	9.49	*06*,06	B
4461	10	e 3, 1 f	9.23	00,00	B
4482	14	e 3, 3 f	9.13	10,*10*	B
4536	10	k 2, 1 l	10.61	*01*,01	B
4606	12	d 3, 2 e	8.76	02,*03*	B
4613	10	d 2, 3 e	8.66	02,*03*	B
4806	10	k 3, 2 l	10.61	09,*09*	B
4823	10	l 2, 3 m	10.90	02,*03*	B
4832	10	l 1, 2 m	10.90	*08*,07	B
4841	10	k 2, 3 l	10.51	09,*09*	B
4862	64	e 3, 1 f	9.23	00,00	B
4865	17	e 3, 2 f	9.18	05,*05*	Br
4869	64	e 2, 2 f	9.13	00,00	B
4875	68	e 3, 3 f	9.13	10,*10*	B
4881	10	e 2, 3 f	9.08	05,*05*	B
4881	60	d 3, 1 e	8.80	*02*,03	B
4882	9	d 3, 2 e	8.76	02,*03*	B
4884	13	d 2, 3 e	8.66	02,*03*	B
4891	80	d 2, 3 e	8.66	02,*03*	B
4904	63	d 3, 2 e	8.76	02,*03*	B
4920	10	f 2, 3 g	9.49	04,*04*	B
4925	60	f 1, 3 g	9.44	*01*,01	B
4927	60	f 3, 2 g	9.59	04,*04*	B
4928	67	f 2, 1 g	9.59	*06*,06	B
4990	61	f 3, 1 g	9.64	*01*,01	B
5168	60	d 2, 3 e	8.66	02,*03*	B
5171	60	d 3, 2 e	8.76	02,*03*	B
5186	10	d 3, 1 e	8.80	02,*03*	B
5186	10	e 3, 2 f	9.18	05,*05*	B
5235	60	k 1	10.50	A	Bi
5262	12	e 3, 1 f	9.23	00,00	B
5263	61	f 3, 2 g	9.59	04,*04*	B
5275	10	e 1, 2 f	9.08	*05*,05	B
5288	60	d 1, 3 e	8.60	*02*,03	B
5309	60	d 3, 2 e	8.76	02,*03*	B
5310	60	d 4, 2 e	8.80	08,*07*	B
5333	61	f 3, 1 g	9.64	*01*,01	B
5376	58	m 1, 2 n	11.31	*04*,04	B
5381	56	m 3, 2 n	11.41	06,*06*	B
5381	16	n 1, 3 o	11.60	05,*05*	B
5381	43	m 2, 2 n	11.36	01,*01*	B
5382	40	l 3, 1 m	11.04	*02*,03	B
5382	40	l 3, 1 m	11.04	*02*,03	B
5527	60	h 2, 1 k	10.28	*03*,02	B
5532	60	h 2, 1 k	10.28	*03*,02	B
5532	10	f 3, 1 g	9.64	*01*,01	B
5541	61	e 3, 2 f	9.18	05,*05*	B
5556	60	d 3, 1 e	8.80	*02*,03	B
5557	60	d 2, 1 e	8.76	*08*,07	B
5561	61	d 3, 2 e	8.76	02,*03*	B
5571	10	d 3, 2 e	8.76	02,*03*	B
5576	60	d 2, 3 e	8.66	02,*03*	B
5590	60	e 3, 2 f	9.18	05,*05*	B
5604	64	f 2, 2 g	9.54	*01*,01	B

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J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5607	55	f 3, 2 g	9.59	04,*04*	B
5613	465	h 1, 2 k	10.18	*03*,02	B
5619	62	k 1	10.50	A	B
5620	10	k 2, 3 l	10.51	09,*09*	B
5620	10	k 2, 3 l	10.51	09,*09*	B
5621	10	k 1, 2 l	10.51	*01*,01	B
5631	64	k 3, 2 l	10.61	09,*09*	B
5635	60	k 1	10.50	A	B
5638	60	l 1, 3 m	10.84	*02*,03	B
5640	60	k 2, 1 l	10.61	*01*,01	B
5659	60	k 2, 3 l	10.51	09,*09*	B
5722	63	e 2, 3 f	9.08	05,*05*	B
5887	60	f 2, 3 g	9.49	04,*04*	B
5896	10	f 3, 1 g	9.64	*01*,01	B
5897	10	h 1, 2 k	10.18	*03*,02	B
5897	60	h 1, 2 k	10.18	*03*,02	B
5898	60	h 1, 2 k	10.18	*03*,02	B
5903	60	k 1	10.50	A	B
5918	60	k 3, 1 l	10.66	04,*04*	B
5926	60	k 3, 1 l	10.66	04,*04*	B
5926	10	k 3, 1 l	10.66	04,*04*	B
5940	61	f 3, 2 g	9.59	04,*04*	B
5941	61	e 3, 1 f	9.23	00,00	B
5942	60	f 1, 3 g	9.44	*01*,01	B
5945	60	e 3, 1 f	9.23	00,00	B
5974	66	d 3, 2 e	8.76	02,*03*	B
6013	60	e 3, 2 f	9.18	05,*05*	B
6015	60	e 1, 3 f	9.03	00,00	B
6017	60	f 2, 3 g	9.49	04,*04*	B
6018	10	f 1, 2 g	9.49	*06*,06	B
6030	60	h 3, 1 k	10.32	03,*02*	B
6061	11	l 2, 1 m	11.00	*08*,07	B
6079	60	k 2	10.60	A	B
6249	60	d 3, 2 e	8.76	02,*03*	B
6264	63	d 3, 2 e	8.76	02,*03*	B
6269	61	d 3, 2 e	8.76	02,*03*	B
6270	10	e 2, 3 f	9.08	05,*05*	B
6278	69	e 3, 2 f	9.18	05,*05*	B
6282	60	e 3, 2 f	9.18	05,*05*	B
6285	60	f 2, 1 g	9.59	*06*,06	B
6290	60	e 3, 1 f	9.23	00,00	B
6295	60	f 2, 2 g	9.54	*01*,01	B
6302	10	k 1, 3 l	10.46	04,*04*	B
6302	62	k 1, 2 l	10.51	*01*,01	B
6311	60	k 1, 2 l	10.51	*01*,01	B
6321	60	l 3, 3 m	10.94	08,*07*	B
6340	60	k 3, 1 l	10.66	04,*04*	B

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J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6360	61	f 1, 2 g	9.49	*06*,06	B
6360	10	f 2, 3 g	9.49	04,*04*	B
6361	68	e 3, 2 f	9.18	05,*05*	B
6376	60	d 3, 2 e	8.76	02,*03*	B
6397	60	d 3, 1 e	8.80	*02*,03	B
6402	66	e 1, 3 f	9.03	00,00	B
6407	60	e 2, 1 f	9.18	*05*,05	B
6419	66	f 1, 3 g	9.44	*01*,01	B
6435	71	h 2, 1 k	10.28	*03*,02	B
6461	10	l 1	10.82	A	B
6604	60	k 3	10.70	A	B
6606	60	l 2	10.92	A	B
6632	10	h 1, 2 k	10.18	*03*,02	B
6634	59	g 2, 1 h	9.95	00,00	B
6636	10	h 1, 2 k	10.18	*03*,02	B
6647	63	e 3, 2 f	9.18	05,*05*	B
6652	61	e 3, 2 f	9.18	05,*05*	B
6654	11	d 3, 2 e	8.76	02,*03*	B
6667	60	d 2, 3 e	8.66	02,*03*	B
6683	60	d 3, 2 e	8.76	02,*03*	B
6684	60	d 4, 2 e	8.80	08,*07*	B
6684	10	d 3, 2 e	8.76	02,*03*	B
6694	60	e 2, 3 f	9.08	05,*05*	B
6697	61	e 2, 3 f	9.08	05,*05*	B
6711	71	f 2, 3 g	9.49	04,*04*	B
6727	61	k 2	10.60	A	B
6733	61	k 3	10.70	A	B
6753	60	k 2, 3 l	10.51	09,*09*	B
6754	60	k 3	10.70	A	B
6760	62	h 1, 0 k	10.28	*13*,12	B
6780	62	e 1, 2 f	9.08	*05*,05	B
6793	61	d 2, 2 e	8.70	*02*,03	B
6988	61	f 2, 2 g	9.54	*01*,01	B
6992	65	k 2, 3 l	10.51	09,*09*	B
7000	60	k 2, 3 l	10.51	09,*09*	B
7004	60	k 4, 2 l	10.66	14,*14*	B
7009	10	k 3, 2 l	10.61	09,*09*	B
7018	10	k 2, 3 l	10.51	09,*09*	B
7020	75	l 1, 3 m	10.84	*02*,03	B
7037	61	f 2, 3 g	9.49	04,*04*	B
7039	10	f 2, 3 g	9.49	04,*04*	B
7049	61	f 1, 2 g	9.49	*06*,06	B
7052	60	e 3, 3 f	9.13	10,*10*	B
7067	60	d 3, 2 e	8.76	02,*03*	B
7068	63	e 1, 3 f	9.03	00,00	B
7069	10	d 3, 2 e	8.76	02,*03*	B
7075	60	d 1, 3 e	8.60	*02*,03	B

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J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
7095	60	e 2, 3 f	9.08	05,*05*	B
7096	64	d 3, 2 e	8.76	02,*03*	B
7097	10	d 3, 1 e	8.80	*02*,03	B
7108	60	e 3, 1 f	9.23	00,00	B
7110	60	e 3, 1 f	9.23	00,00	B
7121	62	h 1, 3 k	10.12	03,*02*	B
7164	60	l 2	10.92	A	B
7172	66	k 1, 3 l	10.46	04,*04*	B
7193	61	f 1, 3 g	9.44	*01*,01	B

205. *221948.* S Gruis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1189	60	o 2, N	*11.8*		F
1202	60	n 3, 1 o	11.58	00,00	F
1235	60	m 2, 2 n	11.06	*03*,02	F
1257	10	l 3, 2 m	10.66	02,*03*	F
1276	26	h 5, 0 k, 4 l	10.03	07,*03*,*05*	F
"	"	h 5, 0 k, 4 l	10.03	07,*03*,*05*	F
1286	12	d 4, 0 e, 4 f	8.58	*02*,00,02	F
"	"	e 3, 2 f	8.84	04,*04*	F
1529	60	o 4, N	*12.0*		F
1897	10	l 3, N	*10.6*		F
1897	10	n 2, N	*11.4*		F
2315	*97*	e 4, N	*8.9*		F
2672	10	l 3, 1 m	10.70	*02*,03	F
2734	10	p 2, 1 q	12.28	03,*02*	F
2970	10	c 8, 4 f	8.62	02,*02*	Fe
2971	10	d 3, 2 e	8.42	04,*04*	F
3024	10	h 4, 1 k	9.95	05,*05*	F
3026	10	h 2, 2 k	9.80	00,00	F
3052	10	k 3, 1 l	10.29	01,*01*	F
3098	*60*	g 1, N	*9.3*		F
3138	*60*	h 2, N	*9.8*		F
3323	10	a 2, 2 b	7.17	05,*05*	F
3378	10	d 3, 1 e	8.47	*01*,01	F
3391	*66*	e 5, 0 f, 2 g	9.03	05,*03*,*03*	F
3406	10	e 4, 1 f	8.94	04,*04*	F
3407	10	f 2, 1 g	9.15	05,*05*	F
3407	10	h 1, 3 k	9.70	00,00	F
3419	*100*	h 1, 3 k	9.70	00,00	F
3426	*55*	h 2, N	*9.8*		F
3491	12	l 4, 0 m,	10.86	*08*,*03*,	F

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
205. *221948.* S Gruis.					
	m.				
		3 n		12	
3509	*75*	g 3, N	*9.5*		F
3693	10	e 2, 3 f	8.74	04,*04*	B
3702	10	e 1, 3 f	8.69	*01*,01	B
3715	12	d 2, 1 e	8.42	*06*,06	B
3721	10	d 2, 1 e	8.42	*06*,06	B
3728	12	e 1, 4 f	8.64	04,*04*	B
3742	10	d 2, 1 e	8.42	*06*,06	B
3747	14	e 1, 2 f	8.74	*06*,06	B
3749	14	e 2, 3 f	8.74	04,*04*	B
3752	15	e 3, 2 f	8.84	04,*04*	B
3758	11	e 3, 2 f	8.84	04,*04*	B
3778	12	f 3, 2 g	9.15	15,*15*	B
3790	10	g 1, 2 h	9.35	*05*,05	B
3798	20	g 2, 1 h	9.45	*05*,05	B
3806	22	h 1, 3 k	9.70	00,00	B
3828	12	h 2, 3 k	9.75	05,*05*	B
3846	11	k 2, 2 l	10.19	01,*01*	B
3861	12	l 2, 3 m	10.56	02,*03*	B
3876	10	l 3, 2 m	10.66	02,*03*	B
3876	10	l 2, 1 m	10.66	*08*,07	B
3885	10	m 1, 2 n	11.00	*07*,08	B
3887	13	m 1, 3 n	10.96	*03*,02	B
3960	10	l 1, N	*10.4*		B
4035	10	l 3, 3 m	10.60	08,*07*	B
4073	10	h 2, 2 k	9.80	00,00	B
4085	10	e 3, 1 f	8.89	*01*,01	B
4108	10	a 3, 1 b	7.27	05,*05*	B
4122	11	b 2, 3 c	7.53	*01*,01	Be
4126	10	A 4, 2 a	6.86	03,*04*	B
4130	70	a 1,2 b	7.12	00,00	B
4135	*61*	3 a	6.72	A	Be
4144	10	A 3, 2 a	6.80	*01*,02	B
4146	10	A 3, 2 a	6.80	*01*,02	B
4183	11	d 2, 3 e	8.32	04,*04*	B
4186	*77*	e 3, 2 f	8.84	04,*04*	B
4227	60	h 2, 1 k	9.85	*05*,05	B
4232	10	k 2, 3 l	10.14	06,*06*	B
4438	10	l 2	10.58	A	B
4452	10	k 3, 2 l	10.24	06,*06*	B
4529	10	d 1, 3 e	8.27	*01*,01	B
4571	60	d 1, 2 e	8.32	*06*,06	B
4606	10	h 3, 2 k	9.85	05,*05*	B
4613	10	h 2, 1 k	9.85	*05*,05	B
4613	10	h 3, 2 k	9.85	05,*05*	B
4806	13	o 1, N	*11.7*		B
4832	12	o 2, 1 p	11.94	*06*,07	B
4865	10	m 3, 2 n	11.10	03,*02*	B
4869	64	l 1	10.48	A	B
4881	10	l 2, 3 m	10.56	02,*03*	B
4882	10	l 3, 2 m	10.66	02,*03*	B
4884	10	l 1, 4 m	10.46	02,*03*	B
4891	64	h 2, 3 k	9.75	05,*05*	B
4891	80	g 2, 1 h	9.45	*05*,05	B
4898	74	f 1, 2 g	9.05	05,*05*	B
4899	61	e 3, 2 f	8.84	04,*04*	B
4925	60	d 3, 2 e	8.42	04,*04*	B
4938	70	d 2, 3 e	8.32	04,*04*	B
4939	65	d 2, 2 e	8.37	*01*,01	B
4941	10	c 4	8.24	A	Be
4953	63	d 3, 3 e	8.37	09,*09*	B
4954	68	d 3, 2 e	8.42	04,*04*	B
4954	99	d 2, 1 e	8.42	*06*,06	B
4972	10	e 3, 1 f	8.89	*01*,01	B
4990	61	e 4, 3 f	8.84	14,*14*	B
5260	10	l 3, 2 m	10.66	02,*03*	B
5267	10	l 3, 2 m	10.66	02,*03*	B
5267	81	k 2, 3 l	10.14	06,*06*	B
5274	10	k 2	10.20	A	Be
5275	10	l 2, 4 m	10.50	08,*07*	B
5283	60	h 2, 3 k	9.75	05,*05*	B
5309	61	b 3, 1 c	7.68	*06*,06	B
5325	60	b 2, 3 c	7.53	*01*,01	B
5334	60	b 3, 1 c	7.68	*06*,06	B
5362	92	d 3, 2 e	8.42	04,*04*	B
5362	45	e 2, 2 f	8.79	*01*,01	B
5362	82	d 2, 3 e	8.32	04,*04*	B
5362	52	d 2, 3 e	8.32	04,*04*	B
5365	50	d 3, 2 e	8.42	04,*04*	B
5365	31	d 2, 1 e	8.42	*06*,06	B
5368	45	e 3, 2 f	8.84	04,*04*	B
5371	119	e 2, 2 f	8.79	*01*,01	Bde
5532	10	l 2, N	*10.5*		B
5549	60	o 1, N	*11.7*		B
5571	10	p 2, N	*12.3*		Bd
5584	61	p 1, N	*12.2*		B
5620	10	n 2, 1 o	11.53	*05*,05	B
5621	10	n 2, 1 o	11.53	*05*,05	B
5646	38	n 1, 3 o	11.38	00,00	B
5722	63	d 2, 1 e	8.42	*06*,06	B
5869	60	l 2, 2 m	10.60	*02*,03	B
5896	10	m 3, 0 n,	11.26	*13*,02,	B
		3 o		12	
5897	10	n 3, 1 o	11.58	00,00	B
5915	60	n 2, 1 o	11.53	*05*,05	B
5945	60	p 2, 0 q	12.34	*03*,02	B
6018	10	m 2, 1 n	11.10	*07*,08	B
6033	60	l 2, 3 m	10.56	02,*03*	B
6061	60	h 3, 4 k	9.75	15,*15*	B
6062	10	h 3, 1 k	9.90	00,00	Be
6085	60	e 3, 3 f	8.79	09,*09*	B
6093	63	d 1, 2 e	8.32	*06*,06	B
6239	61	h 3, 2 k	9.85	05,*05*	B
6249	61	h 3, 1 k	9.90	00,00	B
6270	10	m 2, 3 n	11.00	03,*02*	B
6302	10	m 2, 1 n	11.10	*07*,08	B
6310	60	l 3, 1 m	10.70	*02*,03	B
6320	60	q 2, 3 r	12.54	02,*03*	B
6341	60	q 3, 1 r	12.68	*02*,03	B
6360	10	p 2, N	*12.3*		B
6461	10	m 2, N	*11.0*		B
6589	69	h 3, 2 k	9.85	05,*05*	B
6603	60	k 2, 1 l	10.24	*04*,04	B
6606	60	l 2, 4 m	10.50	08,*07*	B
6607	60	k 1, 3 l	10.09	01,*01*	B
6613	60	k 3, 2 l	10.24	06,*06*	B
6632	10	l 3, 2 m	10.66	02,*03*	B
6635	60	l 2	10.58	A	B
6635	10	l 2, 1 m	10.66	*08*,07	B
6636	11	l 4, 2 m	10.70	08,*07*	B
6636	60	l 3, 1 m	10.70	*02*,03	B
6654	10	m 2, 2 n	11.06	*03*,02	B
6655	60	l 3, 1 m	10.70	*02*,03	B
6667	14	m 2	11.03	A	B
6668	62	n 3, 3 o	11.48	10,*10*	B
6684	11	o 2	11.88	A	B
6734	*60*	m 1, N	*10.9*		B
6979	63	d 3, 2 e	8.42	04,*04*	B
6992	65	g 2, 2 h	9.40	00,00	B
7000	60	g 3, 2 h	9.45	05,*05*	B
7001	62	e 3, 1 f	8.89	*01*,01	B
"	"	g 1, 2 h	9.35	*05*,05	B
7004	60	h 1, 3 k	9.70	00,00	B
7009	11	h 2, 1 k	9.85	*05*,05	B
7010	10	h 2, 2 k	9.80	00,00	Be
7010	60	h 1, 3 k	9.70	00,00	B
7017	60	h 3, 2 k	9.85	05,*05*	B
7018	10	h 2, 2 k	9.80	00,00	B
7020	75	h 3, 2 k	9.85	05,*05*	B
7021	61	k 1, 3 l	10.09	01,*01*	B
7038	60	h 3, 1 k	9.90	00,00	B

205. *221948.* S Gruis.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
7039	10	l 1, 3 m	10.50	*02*,03	B
7039	10	k 2	10.20	A	Be
7049	61	l 2	10.58	A	B
7052	60	l 4, 3 m	10.66	12,*13*	B
7067	60	l 2, 3 m	10.56	02,*03*	B
7069	10	l 3, 1 m	10.70	*02*,03	B
7075	60	m 1	10.93	A	B
7096	64	m 2	11.03	A	B
7124	19	o 2, 0 p	12.00	*12*,11	B
7124	10	o 2, 1 p	11.94	*06*,07	B

207. 222439. S Lacertae.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1586	18	p 3, 1 q	11.84	*05*,05	B
1691	*66*	f 2, 1 g	9.41	06,*06*	B
1920	*61*	f 2, 1 g	9.41	06,*06*	B
1930	10	h 1, 2 k	9.86	01,*01*	B
1957	20	m 2, 1 n	10.94	08,*07*	B
1964	12	p 3, 2 q	11.79	00,00	B
2002	15	r 1, N	*12.4*		B
2057	11	q 2, 3 r	12.14	05,*05*	B
2062	25	p 4, 2 q	11.84	05,*05*	B
2102	12	h 1, 2 k	9.86	01,*01*	B
2348	13	k 3, 2 l	10.22	13,*12*	B
2349	10	k 1, 2 l	10.12	03,*02*	B
2351	10	h 2, 1 k	9.96	01,*01*	B
2359	18	h 1, 3 k	9.81	06,*06*	B
2362	20	f 1, 2 g	9.31	06,*06*	B
2371	12	f 2, 1 g	9.41	06,*06*	B
2372	10	e 1, 2 f	9.17	10,*10*	B
2374	11	e 1, 2 f	9.17	10,*10*	B
2379	25	d 2, 0 e, 3 f	9.09	03,08, *12*	B
2386	13	f 1, 3 g	9.26	11,*11*	B
2419	11	k 1, 3 l	10.08	07,*08*	B
2455	15	p 3, 2 q	11.79	00,00	B
2466	16	p 3, 2 q	11.79	00,00	B
2672	12	l 3, 1 m	10.66	*06*,06	B
2677	13	l 3, 2 m	10.61	*01*,01	B
2697	13	p 3, 2 q	11.79	00,00	B
2758	10	r 1, N	*12.4*		B
2761	10	q 1	12.09	A	B
2777	*60*	o 1, N	*11.3*		B
3040	60	h 2, N	*9.9*		B
3058	10	g 1, 2 h	9.56	*01*,01	B
3063	20	h 2, 3 k	9.86	11,*11*	B
3092	10	b 2, 1 c	8.32	05,*05*	B
3108	17	f 2, 2 g	9.36	11,*11*	B
3113	10	e 2, 1 f	9.27	10,*10*	B
3145	10	l 3, 2 m	10.61	*01*,01	B
3176	10	p 3, 1 q	11.84	*05*,05	B
3362	*54*	l 1, N	*10.4*		B
3404	73	p 3, 1 q	11.84	*05*,05	B
3405	14	p 2, 3 q	11.69	00,00	B
3408	13	p 3, 1 q	11.84	*05*,05	B
3438	10	r 2, 1 s	12.62	*03*,02	B
3457	37	r 1, 1 s	12.56	*07*,08	B
3475	19	s 1, 2 t	12.79	05,*05*	B
3504	14	p 2, 3 q	11.69	00,00	B
3707	13	r 1, N	*12.4*		B
3740	13	p 3, 2 q	11.79	00,00	B
3790	14	f 2, 3 g	9.31	16,*16*	B
3792	10	f 1, 2 g	9.31	06,*06*	B
3823	10	f 1, 2 g	9.31	06,*06*	B
3852	10	k 1	10.15	A	Br
3857	12	k 2, 1 l	10.22	03,*02*	B
3859	12	k 3, 2 l	10.22	13,*12*	B
3864	14	l 3, 2 m	10.61	*01*,01	B
3878	16	l 3, 1 m	10.66	*06*,06	B
3905	10	r 2, N	*12.5*		B
3937	10	s 2, 1 t	12.89	05,*05*	B
3944	10	s 1, N	*12.8*		B
4063	10	e 2, 1 f	9.27	10,*10*	B
4097	12	l 3, 2 m	10.61	*01*,01	B
4142	11	r 1	12.49	A	B
4150	12	q 2, 1 r	12.24	*05*,05	B
4157	29	r 2, 1 s	12.62	*03*,02	B
4170	12	r 2	12.59	A	B
4185	10	q 2, 0 r	12.29	*10*,10	Bi
4207	14	r 2, 1 s	12.62	*03*,02	B
4233	17	l 3, 0 m, 2 n	10.73	*13*,09, 04	B
4259	*46*	h 2, 1 k	9.96	01,*01*	B
4259	28	h 2, 3 k	9.86	11,*11*	B
4291	11	d 1, 2 e	9.00	02,*03*	B
4325	11	k 2, 3 l	10.12	13,*12*	B
4477	13	l 3, 2 m	10.61	*01*,01	B
4518	18	f 2, 2 g	9.36	11,*11*	B
4561	11	k 3, 2 l	10.22	13,*12*	B
4587	10	l 3, 1 m	10.66	*06*,06	B
4594	16	n 2, 2 o	11.13	04,*04*	B
4799	11	h 2, 1 k	9.96	01,*01*	B
4801	57	h 1, 2 k	9.86	01,*01*	B
4932	20	m 2, 1 n	10.94	08,*07*	B
4942	18	l 1, 3 m	10.46	*06*,06	B
4942	13	l 3, 1 m	10.66	*06*,06	B
4949	70	l 2, 2 m	10.56	*06*,06	B
4954	26	k 2, 2 l	10.18	07,*08*	B
4968	68	h 2, 1 k	9.96	01,*01*	B
4972	11	h 2, 1 k	9.96	01,*01*	B
5028	85	h 1, 2 k	9.86	01,*01*	B
5139	12	q 1	12.09	A	Bp
5147	73	l 3, 1 m	10.66	*06*,06	B
5204	10	k 3, 2 l	10.22	13,*12*	B
5205	51	h 2, 1 k	9.96	01,*01*	B
5215	12	k 2, 3 l	10.12	13,*12*	B
5232	59	f 3, 2 g	9.41	16,*16*	B
5241	16	f 1, 2 g	9.31	06,*06*	B
5267	10	f 2, 1 g	9.41	06,*06*	B
5275	10	h 1, 2 k	9.86	01,*01*	B
5287	69	l 2, 1 m	10.61	*11*,11	B
5352	19	s 1	12.84	A	B
5366	23	s 1, 2 t	12.79	05,*05*	B
5383	60	p 2	11.69	A	B
5550	60	p 2, 1 q	11.79	*10*,10	B
5658	10	n 2, 2 o	11.13	04,*04*	B
5658	63	l 3, 1 m	10.66	*06*,06	B
5663	10	l 3, 2 m	10.61	*01*,01	B
5665	72	l 2, 1 m	10.61	*11*,11	B
5677	71	l 2, 2 m	10.56	*06*,06	B
5679	60	k 2, 1 l	10.22	03,*02*	B
5682	74	l 1, 2 m	10.51	*11*,11	B
5686	13	k 3, 1 l	10.28	07,*08*	B
5691	63	k 2, 1 l	10.22	03,*02*	B
5709	60	f 1, 3 g	9.26	11,*11*	B
5717	64	e 1, 2 f	9.17	10,*10*	B
5721	58	d 2, 2 e	9.04	08,*07*	B
5723	105	f 1, 2 g	9.31	06,*06*	B
5725	91	e 2, 1 f	9.27	10,*10*	B
5734	67	f 2, 1 g	9.41	06,*06*	B
5759	70	k 2, 1 l	10.22	03,*02*	B
5898	73	o 2, 1 p	11.44	05,*05*	B
5900	56	m 1, 2 n	10.84	08,*07*	B
5918	127	k 2, 1 l	10.22	03,*02*	B
5941	52	f 2, 2 g	9.36	11,*11*	B
5975	70	f 1, 2 g	9.31	06,*06*	B
5975	71	f 2, 1 g	9.41	06,*06*	B
5978	57	f 1, 2 g	9.31	06,*06*	B
5978	27	f 1, 2 g	9.31	06,*06*	B
6030	125	p 3, 1 q	11.84	*05*,05	B

207. 222439. S LACERTAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6033	105	p 2, 1 q	11.79	*10*,10	B
6033	32	q 1, 3 r	12.09	00,00	B
6102	75	q 1	12.09	A	B
6107	72	q 1	12.09	A	B
6108	68	q 1	12.09	A	B
6111	74	p 2, 0 q	11.84	*15*,15	B
6134	64	m 1, 2 n	10.84	08,*07*	B
6358	61	l 2, 2 m	10.56	*06*,06	B
6386	75	g 2, 2 h	9.61	04,*04*	B
6387	75	g 1, 2 h	9.56	*01*,01	B
6388	70	g 1, 2 h	9.56	*01*,01	B
6402	69	f 1, 2 g	9.31	06,*06*	B
6410	68	d 1, 2 e	9.00	02,*03*	B
6413	51	d 2, 1 e	9.10	02,*03*	B
6413	50	d 2, 0 e, 3 f	9.09	03,08, *12*	B
6413	15	d 2, 2 e	9.04	08,*07*	B
6414	62	d 2, 1 e	9.10	02,*03*	B
6416	68	f 2, 1 g	9.41	06,*06*	B
6418	61	d 2, 1 e	9.10	02,*03*	B
6419	62	f 1, 2 g	9.31	06,*06*	B
6427	75	d 2, 1 e	9.10	02,*03*	B
6433	61	f 2, 1 g	9.41	06,*06*	B
6445	63	g 1, 2 h	9.56	*01*,01	B
6447	108	g 2, 1 h	9.66	*01*,01	B
6455	58	h 2, 2 k	9.91	06,*06*	B
6456	77	k 1, 2 l	10.12	03,*02*	B
6460	58	k 2, 2 l	10.18	07,*08*	B
6464	*56*	k 2, 1 l	10.22	03,*02*	B
6466	*60*	k 2, 1 l	10.22	03,*02*	B
6466	69	l 1, 3 m	10.46	*06*,06	B
6466	56	k 2, 1 l	10.22	03,*02*	B
6468	103	l 1, 3 m	10.46	*06*,06	B
6472	99	k 2, 1 l	10.22	03,*02*	B
6475	54	l 2, 2 m	10.56	*06*,06	B
6485	63	n 2, 1 o	11.18	*01*,01	B
6630	60	f 2, 1 g	9.41	06,*06*	B
6642	64	d 2, 1 e	9.10	02,*03*	B
6649	60	c 2, 1 d	8.70	*13*,12	B
6650	60	c 2, 1 d	8.70	*13*,12	B
6652	76	c 2, 1 d	8.70	*13*,12	B
6666	68	d 1, 2 e	9.00	02,*03*	B
6675	86	d 2, 1 e	9.10	02,*03*	B
6682	15	g 2, 2 h	9.61	04,*04*	B
6683	67	f 3, 2 g	9.41	16,*16*	B
6683	55	g 1, 2 h	9.56	*01*,01	B
6687	68	g 2, 2 h	9.61	04,*04*	B
6691	76	g 2, 2 h	9.61	04,*04*	B
6704	60	h 2, 1 k	9.96	01,*01*	B
6720	66	n 2	11.17	A	B
6721	73	n 2	11.17	A	Bd
6729	88	p 2, 1 q	11.79	*10*,10	B
6739	18	p 3, 3 q	11.74	05,*05*	B
6757	13	q 2, 2 r	12.19	00,00	B
6770	78	q 1, 3 r	12.09	00,00	B
6796	76	p 2, 1 q	11.79	*10*,10	B
6812	104	p 2, 1 q	11.79	*10*,10	B
6819	59	p 3, 1 q	11.84	*05*,05	B
6856	114	k 2, 1 l	10.22	03,*02*	B
6860	55	h 2, 2 k	9.91	06,*06*	B
6860	58	k 1, 2 l	10.12	03,*02*	B
7081	68	l 2, 1 m	10.61	*11*,11	B
7111	78	g 1, 2 h	9.56	*01*,01	B
7111	58	g 2, 2 h	9.61	04,*04*	B
7116	82	f 2, 1 g	9.41	06,*06*	B
7118	92	e 2, 1 f	9.27	10,*10*	B
7125	64	d 2, 0 e, 2 f	9.12	00,05, *05*	B
7133	66	d 2, 1 e	9.10	02,*03*	B
7140	66	d 1, 2 e	9.00	02,*03*	B
7145	66	d 1, 2 e	9.00	02,*03*	B
7147	81	d 2, 1 e	9.10	02,*03*	B
7151	65	d 2, 1 e	9.10	02,*03*	B
7171	87	g 2, 1 h	9.66	*01*,01	B
7190	73	k 2, 1 l	10.22	03,*02*	B
7198	97	n 2, 1 o	11.18	*01*,01	B

210. 225914. RW PEGASI.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1330	20	m 1, N	*11.7*		L
1586	13	m 2, N	*11.8*		L
1672	10	m 0	11.64	A	L
1677	11	f 1, 2 g	10.51	04,*04*	L
1986	15	m 1 , N	*11.7*		L
2023	10	n 1, 1 o	11.99	00,00	L
2043	16	k 3, 2 l	11.32	10,*10*	L
2344	16	l 2, 1 m	11.58	04,*04*	L
2351	20	n 1, 2 o	11.94	05,*05*	L
2353	15	m 3, 2 n	11.82	12,*13*	L
2357	29	o 2, 0 p	12.24	05,*05*	L
2382	14	o 1, N	*12.1*		L
2406	12	o 1, N	*12.1*		L
2665	10	o 1, 1 p	12.14	05,*05*	L
2672	11	m 2, 1 n	11.82	02,*03*	L
2683	13	g 1, 2 h	10.74	03,*02*	L
2684	16	g 1, 2 h	10.74	03,*02*	L
2714	11	c 2	9.49	A	Lr
2716	14	a 3, 1 b	8.95	01,*01*	L
2770	10	l 1, 1 m	11.53	*01*,01	L
2770	20	h 2, 1 k	11.07	05,*05*	L
2793	14	o 1, N	*12.1*		L
3062	10	n 1, N	*11.9*		L
3083	10	n 2, N	*12.0*		Lr
3112	10	g 2, 1 h	10.84	03,*02*	L
3149	11	f 1, N	*10.5*		L
3771	19	c 2, 3 d	9.60	*11*,11	L
3842	15	n 1, N	*11.9*		L
3859	23	o 1, N	*12.1*		L
3913	11	o 2	12.29	A	L
3944	24	r 2, 1 s	12.81	00,00	L
4170	18	f 1, 2 g	10.51	04,*04*	L
4171	10	f 1, 2 g	10.51	04,*04*	L
4173	11	e 1, 1 f	10.34	*01*,01	L
4174	14	e 2, 0 f, 2 g	10.45	*02*,00, 02	L
4507	13	o 1, N	*12.1*		L
4546	19	n 1, 1 o	11.99	00,00	L
4594	60	b 2, 1 c	9.22	02,*03*	L
4594	62	b 2, 2 c	9.16	08,*07*	L
4594	15	a 2, 1 b	8.90	*04*,04	L
4594	17	a 3, 0 b, 2 c	9.03	*07*,01, 06	L
4647	61	h 2, 1 k	11.07	05,*05*	L
4864	10	m 1, 2 n	11.72	02,*03*	L
4912	10	o 1, N	*12.1*		L
4948	25	o 1, N	*12.1*		L
4958	33	n 2, 0 o, 2 p	12.06	03,03, *07*	L
4991	60	k 1, 2 l	11.22	00,00	B
5004	71	e 1, 1 f	10.34	*01*,01	L
5028	85	c 2, 3 d	9.60	*11*,11	L
5234	61	c 3, 2 d	9.70	*11*,11	Bi
5262	70	g 1, 2 h	10.74	03,*02*	B
5282	72	h 3, 1 k	11.12	10,*10*	Bi
5340	10	p 2, N	*12.3*		L
5347	10	o 1	12.19	A	L
5366	12	o 1, N	*12.1*		L
5366	108	o 1, N	*12.1*		L
5404	60	k 1, 2 l	11.22	00,00	L
5578	85	l 1, N	*11.5*		L

210. 225914. RW Pegasi.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5619	60	e 2, 0 f, 3 g	10.42	01,03, *05*	B
5623	68	f 1, 2 g	10.51	04,*04*	B
5635	11	c 2, 3 d	9.60	*11*,11	L
5647	15	c 2, 3 d	9.60	*11*,11	L
5647	*52*	b 2, 1 c	9.22	02,*03*	L
5649	30	c 1, 3 d	9.55	*16*,16	Lr
5650	30	c 1, 2 d	9.60	*21*,21	Br
5658	63	c 2, 1 d	9.70	*21*,21	B
5663	59	c 2, 3 d	9.60	*11*,11	B
5663	30	c 2, 2 d	9.65	*16*,16	Lr
5663	10	c 3, 2 d	9.70	*11*,11	L
5665	72	c 2, 3 d	9.60	*11*,11	L
5665	60	c 3, 2 d	9.70	*11*,11	B
5673	67	e 2, 4 f	10.24	19,*19*	L
5673	*102*	c 3, 2 d	9.70	*11*,11	L
5677	66	e 1, 1 f	10.34	*01*,01	L
5677	71	e 2, 1 f	10.39	04,*04*	L
5686	78	2 d	9.81	A	Le
5688	65	f 3, 2 g	10.61	14,*14*	L
5692	70	f 2, 1 g	10.61	04,*04*	L
5699	59	m 1, 2 n	11.72	02,*03*	L
5699	30	k 2, 0 l, 2 m	11.39	*07*,03, 05	Lr
5717	64	o 1, N	*12.1*		L
5725	91	n 1, 1 o	11.99	00,00	L
5754	34	r 1, N	*12.7*		L
5976	60	m 3	11.94	A	B
5985	10	p 1, N	*12.2*		B
6032	72	k 1, 2 l	11.22	00,00	B
6034	60	k 1, 2 l	11.22	00,00	B
6046	95	f 2, 2 g	10.56	09,*09*	B
6047	60	f 1, 3 g	10.46	09,*09*	B
6082	47	d 1, 2 e	10.07	04,*04*	B
6083	16	c 3, 2 d	9.70	*11*,11	B
6269	60	e 1, 2 f	10.29	04,*04*	B
6279	60	f 3, 2 g	10.61	14,*14*	B
6289	60	e 1, 2 f	10.29	04,*04*	B
6386	*78*	m 2, N	*11.8*		B
6427	10	m 3, 1 n	11.86	08,*07*	B
6427	64	n 1, N	*11.9*		Bd
6463	75	n 1, N	*11.9*		Bd
6654	62	m 3, 1 n	11.86	08,*07*	B
6680	61	c 3, 2 d	9.70	*11*,11	B
6682	61	c 2, 3 d	9.60	*11*,11	B
6682	60	c 3, 2 d	9.70	*11*,11	B
6685	60	c 3, 2 d	9.70	*11*,11	B
6695	60	c 2, 3 d	9.60	*11*,11	B
6703	63	c 3, 2 d	9.70	*11*,11	B
6704	*55*	d 2, 1 e	10.17	04,*04*	B
6713	60	f 1, 2 g	10.51	04,*04*	B
6731	82	k 2, 1 l	11.32	00,00	B
7052	70	m 4, 1 n	11.92	12,*13*	B
7077	60	f 2, 1 g	10.61	04,*04*	B
7084	60	f 1, 2 g	10.51	04,*04*	B
7095	63	c 3, 2 d	9.70	*11*,11	B
7097	60	c 2, 3 d	9.60	*11*,11	B
7117	62	c 3, 2 d	9.70	*11*,11	B
7124	20	c 3, 2 d	9.70	*11*,11	B
7135	66	f 3, 2 g	10.61	14,*14*	B
7136	63	e 1, 2 f	10.29	04,*04*	B
7152	71	h 1, 2 k	10.97	05,*05*	B

213. 232848. Z Andromedae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
0605	22	k 3, 3 l	10.97	01,*01*	B
0606	15	k 4, 2 l	11.07	01,*01*	B
0607	35	k 3, 2 l	11.02	*04*,04	B
1612	19	l 3, 1 m	11.51	05,*05*	B
1635	23	l 2, 1 m	11.46	00,00	B
1720	18	l 1, 2 m	11.36	00,00	B
2006	10	k 3, 2 l	11.02	*04*,04	B
2022	11	k 3, 2 l	11.02	*04*,04	B
2075	11	k 3, 2 l	11.02	*04*,04	B
2348	13	l 2, 2 m	11.41	05,*05*	B
2349	14	l 2, 2 m	11.41	05,*05*	B
2349	16	l 3, 2 m	11.46	10,*10*	B
2357	17	l 2, 2 m	11.41	05,*05*	B
2380	*68*	k 3	10.98	A	B
2675	10	k 3, 1 l	11.07	*09*,09	B
2677	10	k 3, 2 l	11.02	*04*,04	B
2679	16	k 3, 3 l	10.97	01,*01*	B
2684	18	l 1, 2 m	11.36	00,00	B
2757	10	k 1, 3 l	10.87	*09*,09	B
2786	14	k 1, 3 l	10.87	*09*,09	B
3083	12	l 1, 2 m	11.36	00,00	B
3411	14	f 1, 2 g	9.84	12,*13*	B
3438	13	g 1, 2 h	10.08	*07*,08	B
3439	11	g 2, 1 h	10.18	*07*,08	B
3450	12	g 2, 1 h	10.18	*07*,08	B
3807	14	k 3, 2 l	11.02	*04*,04	B
3807	10	k 2, 1 l	11.02	*14*,14	B
3842	14	k 3, 2 l	11.02	*04*,04	B
3855	10	l 1, 2 m	11.36	00,00	B
3878	10	h 2, 1 k	10.57	*01*,01	B
3907	10	g 3, 2 h	10.18	03,*02*	B
3911	16	g 3, 1 h	10.24	*03*,02	B
3914	*37*	g 2, 1 h	10.18	*07*,08	B
3925	*60*	g 2, 3 h	10.08	03,*02*	Be
3937	13	g 2, 1 h	10.18	*07*,08	B
3966	14	h 1, 2 k	10.47	*01*,01	B
3980	*63*	g 1, 2 h	10.08	*07*,08	B
3997	13	g 2, 1 h	10.18	*07*,08	B
4154	10	k 3, 2 l	11.02	*04*,04	B
4154	11	k 2, 3 l	10.92	*04*,04	B
4154	10	h 3, 2 k	10.57	09,*09*	B
4170	10	k 2, 2 l	10.97	*09*,09	B
4170	10	k 3, 2 l	11.02	*04*,04	B
4174	11	h 2, 2 k	10.52	04,*04*	B
4546	*75*	g 2, 3 h	10.08	03,*02*	B
4580	20	f 1, 2 g	9.84	12,*13*	B
"	"	e 1, 2 f	9.57	*09*,09	Be
4580	21	d 4, 1 e	9.33	05,*05*	B
4583	60	e 1, 2 f	9.57	*09*,09	B
4588	10	f 2, 2 g	9.88	18,*17*	B
4590	14	e 2, 2 f	9.62	*04*,04	B
4591	15	e 2, 1 f	9.67	*09*,09	B
4591	11	g 1, 3 h	10.04	*03*,02	Be
4594	20	e 1, 2 f	9.57	*09*,09	B
4643	16	f 1, 2 g	9.84	12,*13*	B
4672	75	f 2	10.06	A	Br
4874	*66*	g 2, 2 h	10.14	*03*,02	B
4882	70	g 3, 1 h	10.24	*03*,02	B
4883	71	g 2, 1 h	10.18	*07*,08	B
4912	60	e 2, 0 f	9.72	*14*,14	Be
4914	10	g 1, 2 h	10.08	*07*,08	Be
4914	10	g 1, 3 h	10.04	*03*,02	B
4938	83	g 2, 2 h	10.14	*03*,02	B
4942	11	g 2, 2 h	10.14	*03*,02	B
4942	15	g 2, 2 h	10.14	*03*,02	B
4947	19	e 2, 2 f	9.62	*04*,04	B
4949	70	f 1, 2 g	9.84	12,*13*	B
4995	60	f 1, 1 g	9.88	08,*07*	B
5019	60	e 3, 1 f	9.72	*04*,04	B
5030	31	d 2, 1 e	9.23	*05*,05	B
5198	85	g 2, 1 h	10.18	*07*,08	B
5241	29	g 3, 1 h	10.24	*03*,02	Be
5241	10	g 3, 2 h	10.18	03,*02*	B
5241	10	g 2, 1 h	10.18	*07*,08	B
5310	*84*	h 2, 1 k	10.57	*01*,01	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.	J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
213. 232848. Z ANDROMEDAE.						213. 232848. Z ANDROMEDAE.						213. 232848. Z ANDROMEDAE.					
	m.						m.						m.				
5368	59	k 3, 3 l	10.97	01,*01*	B	6031	61	g 1, 2 h	10.08	*07*,08	B	6456	62	g 3, 2 h	10.18	03,*02*	B
5376	11	k 2, 2 l	10.97	*09*,09	B	6031	71	g 1, 2 h	10.08	*07*,08	B	6456	77	h 1, 2 k	10.47	*01*,01	B
5403	63	h 2, 1 k	10.57	*01*,01	B	6033	55	f 2, 1 g	9.94	12,*13*	B	6457	68	g 2, 1 h	10.18	*07*,08	B
5427	61	h 2, 1 k	10.57	*01*,01	B	6042	61	h 2, 2 k	10.52	04,*04*	B	6460	58	g 3, 2 h	10.18	03,*02*	B
5564	115	h 2, 1 k	10.57	*01*,01	B	6046	100	g 1, 2 h	10.08	*07*,08	B	6462	*66*	g 2, 2 h	10.14	*03*,02	B
5601	18	g 1, 2 h	10.08	*07*,08	B	6048	130	g 1, 2 h	10.08	*07*,08	B	6463	63	g 2, 1 h	10.18	*07*,08	B
5613	70	e 1, 2 f	9.57	*09*,09	B	6051	70	f 2, 1 g	9.94	12,*13*	B	6466	56	g 3, 2 h	10.18	03,*02*	B
5625	65	b 2, 1 c	8.68	*07*,08	Be	6054	85	f 2, 2 g	9.88	18,*17*	B	6467	*58*	g 2, 1 h	10.18	*07*,08	Be
5625	10	d 3, 2 e	9.23	05,*05*	B	6061	67	g 2, 1 h	10.18	*07*,08	B	6468	92	g 2, 1 h	10.18	*07*,08	B
5625	15	d 3, 2 e	9.23	05,*05*	B	6089	48	g 2, 1 h	10.18	*07*,08	B	6475	69	h 2, 2 k	10.52	04,*04*	B
5635	11	d 2, 3 e	9.13	05,*05*	B	6090	79	h 2, 2 k	10.52	04,*04*	B	6477	88	g 3, 1 h	10.24	*03*,02	B
5663	102	c 2, 1 d	8.97	09,*09*	B	6093	130	g 2, 1 h	10.18	*07*,08	B	6485	*84*	f 2, 1 g	9.94	12,*13*	B
5666	90	c 1, 2 d	8.87	09,*09*	B	6102	63	g 3, 1 h	10.24	*03*,02	B	6485	63	h 2, 2 k	10.52	04,*04*	B
5678	17	d 3, 2 e	9.23	05,*05*	B	6104	72	g 3, 1 h	10.24	*03*,02	B	6498	83	g 2, 1 h	10.18	*07*,08	B
5679	60	d 3, 2 e	9.23	05,*05*	B	6107	72	h 1, 2 k	10.47	*01*,01	B	6505	86	g 3, 1 h	10.24	*03*,02	B
5682	10	d 1, 3 e	9.08	00,00	B	6107	17	g 3, 1 h	10.24	*03*,02	B	6514	80	g 3, 1 h	10.24	*03*,02	Bd
5682	74	d 3, 2 e	9.23	05,*05*	B	6108	68	g 3, 1 h	10.24	*03*,02	B	6649	60	h 2, 2 k	10.52	04,*04*	B
5691	63	d 3, 2 e	9.23	05,*05*	B	6112	64	g 3, 1 h	10.24	*03*,02	B	6664	57	k 2	10.88	A	B
5693	48	d 3, 3 e	9.18	10,*10*	B	6116	92	g 3, 1 h	10.24	*03*,02	B	6675	86	h 3, 0 k,	10.77	*11*,09,	B
5699	64	c 2, 1 d	8.97	09,*09*	B	6123	65	g 3, 1 h	10.24	*03*,02	B			3 l		19	
5709	60	d 3, 2 e	9.23	05,*05*	B	6134	64	g 3, 1 h	10.24	*03*,02	B	6683	55	k 2, 3 l	10.92	*04*,04	B
5710	20	d 3, 2 e	9.23	05,*05*	B	6149	60	g 2, 1 h	10.18	*07*,08	B	6691	76	k 3, 2 l	11.02	*04*,04	B
5721	58	d 2, 3 e	9.13	05,*05*	B	6152	72	g 2, 1 h	10.18	*07*,08	B	6704	60	k 1, 4 l	10.82	*04*,04	B
5723	61	c 2, 1 d	8.97	09,*09*	B	6160	60	g 2, 1 h	10.18	*07*,08	B	6717	75	k 4, 1 l	11.12	*04*,04	B
5731	76	d 2, 3 e	9.13	05,*05*	B	6164	69	g 3, 1 h	10.24	*03*,02	B	6719	57	h 3, 2 k	10.57	09,*09*	B
5734	67	d 2, 3 e	9.13	05,*05*	B	6307	66	e 2, 2 f	9.62	*04*,04	B	6724	60	k 3	10.98	A	B
5740	10	d 1, 3 e	9.08	00,00	B	6322	61	e 2, 1 f	9.67	*09*,09	B	6741	81	k 3, 3 l	10.97	01,*01*	B
5740	11	d 2, 3 e	9.13	05,*05*	B	6335	86	g 3, 2 h	10.18	03,*02*	B	6750	60	k 2	10.88	A	B
5751	68	d 2, 2 e	9.18	00,00	B	6340	83	g 2, 1 h	10.18	*07*,08	B	6755	74	k 2	10.88	A	B
5753	71	d 2, 3 e	9.13	05,*05*	B	6370	22	g 2, 1 h	10.18	*07*,08	B	6761	60	k 2, 1 l	11.02	*14*,14	B
5767	65	d 3, 1 e	9.28	00,00	B	6387	75	e 3, 2 f	9.67	01,*01*	B	6768	64	h 2, 1 k	10.57	*01*,01	B
5773	89	c 2, 1 d	8.97	09,*09*	B	6388	70	g 1, 2 h	10.08	*07*,08	B	6770	78	h 2, 1 k	10.57	*01*,01	B
5775	60	d 3, 2 e	9.23	05,*05*	B	6401	61	e 2, 1 f	9.67	*09*,09	B	6776	60	l 1	11.36	A	B
5775	95	d 3, 1 e	9.28	00,00	B	6408	62	e 3, 2 f	9.67	01,*01*	B	6783	57	k 3, 2 l	11.02	*04*,04	B
5787	69	d 3, 2 e	9.23	05,*05*	B	6410	68	g 1, 2 h	10.08	*07*,08	B	6784	60	k 3	10.98	A	B
5800	65	d 3, 1 e	9.28	00,00	B	6412	*62*	e 2, 1 f	9.67	*09*,09	B	6786	82	k 1, 3 l	10.87	*09*,09	B
5898	73	e 1, 2 f	9.57	*09*,09	B	6413	50	e 2, 1 f	9.67	*09*,09	B	6787	*60*	k 3, 2 l	11.02	*04*,04	B
5961	60	d 3, 2 e	9.23	05,*05*	B	6414	62	e 3, 2 f	9.67	01,*01*	B	6796	37	k 3, 2 l	11.02	*04*,04	B
5970	44	e 1, 2 f	9.57	*09*,09	B	6418	61	e 2, 2 f	9.62	*04*,04	B	6802	46	k 2, 1 l	11.02	*14*,14	B
5974	59	d 3, 1 e	9.28	00,00	B	6419	66	g 3, 2 h	10.18	03,*02*	B	6811	70	k 3, 2 l	11.02	*04*,04	B
5975	70	e 3, 2 f	9.67	01,*01*	B	6427	75	g 1, 2 h	10.08	*07*,08	B	6811	*77*	h 1, 2 k	10.47	*01*,01	Be
5978	57	e 2, 3 f	9.57	01,*01*	B	6427	16	g 1, 2 h	10.08	*07*,08	B	6813	66	k 4, 1 l	11.12	*04*,04	B
5978	27	e 3, 2 f	9.67	01,*01*	B	6429	15	f 2, 1 g	9.94	12,*13*	B	6818	60	k 3	10.98	A	B
5984	10	g 1, 2 h	10.08	*07*,08	B	6433	61	e 2, 1 f	9.67	*09*,09	B	6819	59	k 3, 1 l	11.07	*09*,09	B
5984	10	g 1, 2 h	10.08	*07*,08	B	6438	60	e 3, 1 f	9.72	*04*,04	B	6821	75	k 3, 2 l	11.02	*04*,04	B
5995	73	e 1, 2 f	9.57	*09*,09	B	6447	108	h 1, 2 k	10.47	*01*,01	B	6828	37	h 2, 1 k	10.57	*01*,01	B
6030	125	g 2, 1 h	10.18	*07*,08	B	6449	77	g 1, 2 h	10.08	*07*,08	B	6829	62	k 3, 2 l	11.02	*04*,04	B

213. 232848. Z ANDROMEDAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
6833	52	l 1, 2 m	11.36	00,00	B
6843	69	k 2, 1 l	11.02	*14*,14	B
6845	57	k 3, 2 l	11.02	*04*,04	B
6856	114	k 3, 2 l	11.02	*04*,04	B
6860	58	k 3, 2 l	11.02	*04*,04	B
7005	61	h 1, 2 k	10.47	*01*,01	B
7042	67	h 2, 1 k	10.57	*01*,01	B
7114	52	k 3, 1 l	11.07	*09*,09	B
7114	27	k 3, 2 l	11.02	*04*,04	B
7140	66	k 3, 2 l	11.02	*04*,04	B
7147	81	k 3, 1 l	11.07	*09*,09	B
7151	65	k 3, 2 l	11.02	*04*,04	B
7158	48	h 2, 1 k	10.57	*01*,01	B
7168	32	k 4, 2 l	11.07	01,*01*	B
7170	77	k 1, 2 l	10.92	*14*,14	B
7171	87	k 3, 3 l	10.97	01,*01*	B
7171	70	k 2, 3 l	10.92	*04*,04	B
7177	73	k 3, 2 l	11.02	*04*,04	B
7188	76	h 2, 1 k	10.57	*01*,01	B
7194	42	k 3, 2 l	11.02	*04*,04	B
7198	97	k 3, 2 l	11.02	*04*,04	B

214. 233335. ST ANDROMEDAE.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
1635	17	r 2, N	*12.7*		B
1985	19	n 1, N	*11.1*		B
1985	13	n 1, N	*11.1*		B
2022	24	n 2, 1 o	11.20	00,00	B
2026	18	o 2, N	*11.5*		B
2348	13	o 3, 1 p	11.71	*11*,11	B
2348	14	o 3, 2 p	11.66	*06*,06	B
2395	11	q 1, N	*12.3*		B
2402	17	o 2, 2 p	11.61	*11*,11	B
2679	12	o 3	11.60	A	B
2685	16	o 2, N	*11.5*		B
3083	12	o 2, 2 p	11.61	*11*,11	B
3096	12	m 4, 2 n	10.80	00,00	B
3149	14	m 3, 2 n	10.75	*05*,05	B
3176	10	m 3, 1 n	10.80	*10*,10	B
3385	21	n 1, N	*11.1*		B
3450	19	n 2, 1 o	11.20	00,00	B
3791	13	m 3, 2 n	10.75	*05*,05	B
3855	12	m 3, 2 n	10.75	*05*,05	B
3911	12	o 3, 2 p	11.66	*06*,06	B
4171	10	m 2, 2 n	10.70	*10*,10	B
4182	11	m 3, 2 n	10.75	*05*,05	B
4183	10	n 1, 3 o	11.05	05,*05*	B
4217	*76*	m 2, N	*10.6*		B
4265	14	o 1, N	*11.4*		B
4518	24	m 3, 2 n	10.75	*05*,05	B
4580	15	o 2	11.50	A	Be
4580	21	o 3, 3 p	11.61	*01*,01	B
4590	11	o 1, 3 p	11.51	*11*,11	B
4594	14	p 1, N	*12.0*		B
4947	13	p 1, N	*12.0*		B
4967	18	p 2, 2 q	12.10	02,*03*	B
4988	71	o 2, 3 p	11.56	*06*,06	B
5275	10	p 2, 1 q	12.14	*02*,03	B
5352	15	m 3, 3 n	10.70	00,00	B
5364	10	m 3, 0 n, 4 o	10.87	*17*,13, 03	B
5368	12	m 3, 2 n	10.75	*05*,05	B
5393	72	n 1	11.10	A	B
5625	10	o 1, N	*11.4*		B
5663	57	m 2, N	*10.6*		B
5740	13	n 3, 2 o	11.20	10,*10*	B
5746	27	o 1, 3 p	11.51	*11*,11	B
6030	125	n 1	11.10	A	B
6031	61	m 4, 1 n	10.85	*05*,05	B
6033	55	m 3, 2 n	10.75	*05*,05	B
6061	67	m 3, 2 n	10.75	*05*,05	B
6090	79	m 3, 3 n	10.70	00,00	B
6107	72	m 4, 2 n	10.80	00,00	B
6107	12	m 3, 3 n	10.70	00,00	B
6108	68	m 3, 3 n	10.70	00,00	B
6112	64	m 4, 2 n	10.80	00,00	B
6134	64	n 2	11.20	A	B
6134	76	m 4, 2 n	10.80	00,00	B
6160	60	n 1	11.10	A	B
6386	*77*	g 2, 1 h	9.53	06,*06*	Br
6387	75	m 3, 2 n	10.75	*05*,05	B
6414	62	n 1	11.10	A	B
6427	75	m 3	10.70	A	B
6427	71	m 3, 2 n	10.75	*05*,05	B
6429	13	m 2, 4 n	10.60	00,00	B
6498	83	m 4, 2 n	10.80	00,00	B
6664	57	m 3, 2 n	10.75	*05*,05	B
6704	60	l 1, 0 m	10.38	*03*,02	Bd
6786	82	m 4, 2 n	10.80	00,00	B
6817	*86*	g 1, 2 h	9.43	06,*06*	Br
6819	59	n 1	11.10	A	B
7112	20	n 1, 3 o	11.05	05,*05*	B
7126	29	n 1, 3 o	11.05	05,*05*	B

215. *234716*. Z AQUARII.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
0658	15	b 4, 2 c	8.54	*04*,04	F
0942	61	1 c	8.68	A	Fe
0955	15	c 4, 1 d	9.26	*08*,07	F
1252	10	c 3, 3 d	9.10	*02*,03	F
1253	10	c 3, 3 d	9.10	*02*,03	F
1344	21	c 3, 4 d	9.06	02,*03*	F
1344	12	c 5, 2 d	9.26	02,*03*	F
1346	12	c 4, 2 d	9.20	*02*,03	F
1353	61	c 5, 1 d	9.30	*02*,03	F
1365	18	c 5, 1 d	9.30	*02*,03	F
1558	63	b 2, 4 c	8.34	*04*,04	F
1560	61	b 3, 3 c	8.44	*04*,04	F
1619	60	c 4, 3 d	9.16	02,*03*	F
1635	32	c 3, 3 d	9.10	*02*,03	F
1653	60	c 5, 1 d	9.30	*02*,03	F
1946	10	b 5, 2 c	8.59	01,*01*	F
1958	10	b 4, 2 c	8.54	*04*,04	F
1958	10	b 3	8.40	A	F
1972	*66*	b 2, 4 c	8.34	*04*,04	F
2309	*60*	c 1, 4 d	8.96	*08*,07	F
2368	*73*	b 3, 3 c	8.44	*04*,04	F
2643	10	b 2, 3 c	8.39	*09*,09	F
2643	10	b 4, 3 c	8.49	01,*01*	F
2683	*60*	b 7, 0 c	8.79	01,*01*	F
2695	*60*	b 6, 1 c	8.69	01,*01*	F
2727	10	c 3, 3 d	9.10	*02*,03	F
2750	*60*	c 1, 4 d	8.96	*08*,07	F
2750	*81*	b 6, 1 c	8.69	01,*01*	F
2754	*60*	b 5, 1 c	8.64	*04*,04	F
3099	10	b 7, 0 c, 6 d	8.80	00,*02*, 03	F
3146	10	c 2, 4 d	9.00	*02*,03	F
3149	10	c 4, 3 d	9.16	02,*03*	F
3149	10	c 4, 3 d	9.16	02,*03*	F
3176	12	b 3, 4 c	8.39	01,*01*	F
3183	19	b 3, 3 c	8.44	*04*,04	F
3196	10	b 6, 2 c	8.64	06,*06*	F
3378	10	b 4, 1 c	8.59	*09*,09	F
3402	*65*	c 2, 3 d	9.06	*08*,07	F
3409	10	c 2, 3 d	9.06	*08*,07	F
3450	*60*	a 3, 0 b, 6 c	8.14	01,*04*, 04	F
3485	59	b 5, 1 c	8.64	*04*,04	F
3716	19	c 3, 2 d	9.16	*08*,07	B
3719	10	c 2, 3 d	9.06	*08*,07	B
3728	10	c 2, 3 d	9.06	*08*,07	B
3733	16	b 2, 2 c	8.44	*14*,14	B

215. *234716.* Z AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
3744	10	b 3, 2 c	8.49	*09*,09	B
3750	12	b 3, 3 c	8.44	*04*,04	B
3751	15	b 2, 3 c	8.39	*09*,09	B
3758	11	b 3, 3 c	8.44	*04*,04	B
3758	10	b 2, 3 c	8.39	*09*,09	B
3761	12	a 3, 1 b	8.08	07,*08*	Be
3773	*80*	b 3, 2 c	8.49	*09*,09	B
3776	*58*	b 3, 1 c	8.54	*14*,14	B
3778	11	c 2, 3 d	9.06	*08*,07	B
3779	12	c 3, 4 d	9.06	02,*03*	B
3790	11	c 3, 4 d	9.06	02,*03*	B
3791	15	c 3, 2 d	9.16	*08*,07	B
3806	18	c 3, 3 d	9.10	*02*,03	B
3808	19	c 3, 2 d	9.16	*08*,07	B
3812	*104*	b 3, 2 c	8.49	*09*,09	B
3817	*67*	b 2, 1 c	8.49	*19*,19	B
3826	12	b 2, 2 c	8.44	*14*,14	B
3829	14	b 2, 2 c	8.44	*14*,14	B
3839	20	b 1, 2 c	8.39	*19*,19	B
3861	12	b 3, 2 c	8.49	*09*,09	Bd
3870	14	b 2, 3 c	8.39	*09*,09	B
3873	14	b 3, 3 c	8.44	*04*,04	B
3887	13	b 1, 3 c	8.34	*14*,14	B
3905	11	b 2, 2 c	8.44	*14*,14	B
3937	11	c 3, 1 d	9.20	*12*,13	B
3946	17	c 3, 0 d, 4 e	9.32	*24*,11, 13	B
3959	10	c 3, 3 d	9.10	*02*,03	B
4043	9	b 3, 2 c	8.49	*09*,09	B
4073	10	c 3, 2 d	9.16	*08*,07	B
4085	10	c 3, 2 d	9.16	*08*,07	B
4108	10	c 3, 3 d	9.10	*02*,03	B
4112	10	c 2, 4 d	9.00	*02*,03	B
4143	10	b 2, 1 c	8.49	*19*,19	B
4147	11	a 2, 1 b	8.02	03,*02*	B
4154	15	b 2, 3 c	8.39	*09*,09	B
4164	10	b 3, 2 c	8.49	*09*,09	B
4168	10	b 2, 3 c	8.39	*09*,09	B
4181	11	b 3, 2 c	8.49	*09*,09	B
4184	11	c 3, 3 d	9.10	*02*,03	B
4244	12	c 3, 3 d	9.10	*02*,03	B
4246	10	c 3, 3 d	9.10	*02*,03	B
4291	12	b 3, 3 c	8.44	*04*,04	B
4307	*47*	b 2, 3 c	8.39	*09*,09	B
4455	10	b 3, 2 c	8.49	*09*,09	B
4462	10	c 4, 2 d	9.20	*02*,03	B
4571	*88*	b 3, 4 c	8.39	01,*01*	B

215. *234716.* Z AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4573	*113*	b 3, 3 c	8.44	*04*,04	B
4597	10	b 1, 3 c	8.34	*14*,14	B
4601	*173*	b 3, 2 c	8.49	*09*,09	B
4623	12	c 2, 1 d	9.16	*18*,17	B
4638	10	c 4, 3 d	9.16	02,*03*	B
4826	10	b 3, 3 c	8.44	*04*,04	B
4853	12	2 c	8.58	A	Be
4855	10	b 3, 3 c	8.44	*04*,04	B
4862	10	b 3, 2 c	8.49	*09*,09	B
4863	10	a 3, 1 b	8.08	07,*08*	B
4863	76	b 3, 2 c	8.49	*09*,09	B
4868	64	c 2, 1 d	9.16	*18*,17	B
4876	125	d 3	9.73	A	B
4885	10	c 3, 3 d	9.10	*02*,03	B
4891	61	d 4, 3 e	9.69	14,*14*	B
4898	*104*	b 2, 1 c	8.49	*19*,19	B
“	“	b 4, 1 c	8.59	*09*,09	B
4904	24	d 3	9.73	A	Be
4909	10	c 3, 2 d	9.16	*08*,07	B
4924	66	d 5	9.93	A	B
4938	79	b 4, 1 c	8.59	*09*,09	B
4940	11	b 3, 3 c	8.44	*04*,04	B
4949	72	b 3, 2 c	8.49	*09*,09	B
4952	62	b 3, 2 c	8.49	*09*,09	B
4979	12	b 2, 1 c	8.49	*19*,19	B
4979	65	b 3, 3 c	8.44	*04*,04	B
4980	63	b 3, 3 c	8.44	*04*,04	B
4991	65	b 3, 4 c	8.39	01,*01*	B
5225	64	b 4, 2 c	8.54	*04*,04	Bi
5232	61	b 2, 3 c	8.39	*09*,09	Bi
5233	89	b 3, 3 c	8.44	*04*,04	B
5234	60	b 2, 4 c	8.34	*04*,04	B
5261	60	b 2, 4 c	8.34	*04*,04	B
5262	10	b 3, 2 c	8.49	*09*,09	Bi
5264	66	b 2, 4 c	8.34	*04*,04	B
5266	11	b 3	8.40	A	Be
5275	10	2 c	8.58	A	Be
5282	64	b 4, 1 c	8.59	*09*,09	Bd
5296	11	c 3, 3 d	9.10	*02*,03	B
5308	12	c 3, 2 d	9.16	*08*,07	B
5339	10	c 2, 3 d	9.06	*06*,07	Be
5556	60	d 2, 4 e	9.54	09,*09*	B
5560	60	d 3, 4 e	9.59	14,*14*	B
5561	61	d 3, 4 e	9.59	14,*14*	B
5593	10	c 3, 1 d	9.20	*12*,13	B
5593	10	c 2, 1 d	9.16	*18*,17	B
5620	61	d 3, 4 e	9.59	14,*14*	B

215. *234716.* Z AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
5621	10	b 3, 2 c	8.49	*09*,09	B
5623	10	c 3, 3 d	9.10	*02*,03	B
5631	10	c 3, 2 d	9.16	*08*,07	B
5631	60	d 1, 3 e	9.54	*01*,01	B
5634	62	d 2, 4 e	9.54	09,*09*	B
5635	60	c 2, 3 d	9.06	*08*,07	B
5639	66	c 2, 3 d	9.06	*08*,07	B
5649	10	c 2, 3 d	9.06	*08*,07	B
5658	93	b 3, 3 c	8.44	*04*,04	B
5658	84	b 3, 4 c	8.39	01,*01*	B
5659	60	b 2, 4 c	8.34	*04*,04	B
5662	60	b 3, 4 c	8.39	01,*01*	B
5662	75	b 3, 4 c	8.39	01,*01*	B
5666	10	b 3, 4 c	8.39	01,*01*	B
5674	83	b 3, 3 c	8.44	*04*,04	B
5689	83	d 1, 4 e	9.49	04,*04*	B
5691	71	d 1, 4 e	9.49	04,*04*	B
5701	60	d 2	9.63	A	B
5911	60	b 4, 2 c	8.54	*04*,04	B
5918	60	b 3, 3 c	8.44	*04*,04	B
5926	60	b 3, 4 c	8.39	01,*01*	B
5926	10	b 3, 2 c	8.49	*09*,09	B
5934	60	b 3, 4 c	8.39	01,*01*	B
5942	60	b 3, 4 c	8.39	01,*01*	B
5945	60	b 3, 4 c	8.39	01,*01*	B
5947	86	b 2, 4 c	8.34	*04*,04	B
5976	62	d 2, 3 e	9.59	04,*04*	B
6017	60	e 1	9.95	A	B
6027	60	d 4, 2 e	9.74	09,*09*	B
6029	60	d 4, 2 e	9.74	09,*09*	B
6029	75	d 3	9.73	A	B
6044	10	b 3, 2 c	8.49	*09*,09	B
6047	60	b 2, 4 c	8.34	*04*,04	B
6051	95	b 3, 4 c	8.39	01,*01*	B
6062	10	b 2, 3 c	8.39	*09*,09	B
6073	62	b 3, 2 c	8.49	*09*,09	B
6103	111	d 1, 2 e	9.59	*06*,06	Bd
6107	62	d 4, 1 e	9.79	04,*04*	B
6107	63	c 2, 1 d	9.16	*18*,17	Be
6118	64	d 3, 3 e	9.64	09,*09*	B
6254	61	d 3, 3 e	9.64	09,*09*	B
6269	62	d 3, 4 e	9.59	14,*14*	B
6278	64	d 4, 2 e	9.74	09,*09*	B
6282	60	d 4, 2 e	9.74	09,*09*	B
6297	60	d 4, 2 e	9.74	09,*09*	B
6302	60	d 3, 2 e	9.69	04,*04*	B
6302	10	c 3, 2 d	9.16	*08*,07	B

215. *234716.* Z AQUARII.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6311	10	b 3	8.40	A	Be
6313	60	b 3, 2 c	8.49	*09*,09	Bd
6320	68	b 3, 3 c	8.44	*04*,04	B
6327	61	b 2, 4 c	8.34	*04*,04	B
6331	60	b 2, 4 c	8.34	*04*,04	B
6340	60	a 2, 1 b	8.02	03,*02*	B
6340	10	b 1, 3 c	8.34	*14*,14	B
6342	60	b 2, 4 c	8.34	*04*,04	B
6360	60	b 3, 2 c	8.49	*09*,09	B
6377	60	d 2, 4 e	9.54	09,*09*	B
6397	60	d 4, 3 e	9.69	14,*14*	B
6400	62	d 4, 3 e	9.69	14,*14*	B
6402	61	d 3, 2 e	9.69	04,*04*	B
6407	64	d 4	9.83	A	B
6407	64	4 e	9.45	A	Bde
6409	66	d 4, 3 e	9.69	14,*14*	B
6437	60	d 3, 4 e	9.59	14,*14*	B
6437	10	c 2, 3 d	9.06	*08*,07	B
6440	69	d 2	9.63	A	B
6459	60	b 3, 1 c	8.54	*14*,14	B
6622	60	b 3, 2 c	8.49	*09*,09	B
6642	60	b 3, 3 c	8.44	*04*,04	B
6647	11	b 4	8.50	A	Be
6648	60	b 3, 2 c	8.49	*09*,09	B
6650	60	b 3, 2 c	8.49	*09*,09	Bd
6652	10	b 3, 2 c	8.49	*09*,09	B
6669	60	d 3, 3 e	9.64	09,*09*	B
6670	65	c 2, 2 d	9.10	*12*,13	B
6680	60	c 3, 2 d	9.16	*08*,07	B
6682	60	d 4, 3 e	9.69	14,*14*	B
6683	60	d 4, 3 e	9.69	14,*14*	B
6685	60	d 4, 3 e	9.69	14,*14*	B
6685	10	d 1, 3 e	9.54	*01*,01	Bde
6695	10	c 3, 2 d	9.16	*08*,07	B
6698	60	d 4, 3 e	9.69	14,*14*	B
6698	60	c 3, 3 d	9.10	*02*,03	B
6705	60	d 3, 4 e	9.59	14,*14*	B
6713	60	c 2, 3 d	9.06	*08*,07	B
6715	61	d 2, 3 e	9.59	04,*04*	B
6725	66	d 1, 3 e	9.54	*01*,01	Bd
6728	84	d 1	9.53	A	B
6740	60	c.1, 3 d	9.00	*12*,13	B
6744	60	d 2, 4 e	9.54	09,*09*	B
6752	62	b 3, 3 c	8.44	*04*,04	B
6753	60	b 3, 2 c	8.49	*09*,09	B
6755	60	b 4, 2 c	8.54	*04*,04	B
6760	60	b 3, 2 c	8.49	*09*,09	B
6765	60	b 3, 2 c	8.49	*09*,09	B
6766	63	b 3, 2 c	8.49	*09*,09	B
6781	64	b 4, 2 c	8.54	*04*,04	Bd
6781	68	b 3, 2 c	8.49	*09*,09	B
6785	60	b 3, 1 c	8.54	*14*,15	Bd
6785	*36*	b 2, 1 c	8.49	*19*,19	B
6786	62	d 2, 4 e	9.54	09,*09*	B
6794	66	d 4, 3 e	9.69	14,*14*	B
6811	65	d 4, 3 e	9.69	14,*14*	B
6824	65	d 4, 3 e	9.69	14,*14*	B
6858	60	b 3, 2 c	8.49	*09*,09	B
7010	62	b 2, 4 c	8.34	*04*,04	B
7031	10	b 3, 1 c	8.54	*14*,15	B
7038	10	b 2, 3 c	8.39	*09*,09	B
7039	10	a 2, 1 b	8.02	03,*02*	B
7039	66	b 3, 2 c	8.49	*09*,09	B
7053	60	b 4, 2 c	8.54	*04*,04	B
7066	11	b 3, 2 c	8.49	*09*,09	B
7069	12	b 4, 2 c	8.54	*04*,04	B
7069	60	c 2, 3 d	9.06	*08*,07	B
7077	10	b 2, 1 c	8.49	*19*,19	B
7080	62	d 3, 4 e	9.59	14,*14*	B
7095	77	d 4, 3 e	9.69	14,*14*	B
7097	60	d 4, 3 e	9.69	14,*14*	B
7107	61	d 3, 3 e	9.64	09,*09*	B
7114	61	d 4, 2 e	9.74	09,*09*	B
7125	10	b 2, 1 c	8.49	*19*,19	B
7135	68	b 3, 2 c	8.49	*09*,09	B
7139	73	b 3, 4 c	8.39	01,*01*	B
7142	77	b 3, 3 c	8.44	*04*,04	B
7151	60	b 1, 4 c	8.29	*09*,09	B
7166	10	b 2, 3 c	8.39	*09*,09	B
7175	62	b 2, 3 c	8.39	*09*,09	B
7193	58	b 4, 1 c	8.59	*09*,09	Bd
7194	61	b 4, 1 c	8.59	*09*,09	B
7195	63	b 4, 2 c	8.54	*04*,04	B
7198	85	c 1, 3 d	9.00	*12*,13	B

218. *235265.* R TUCANAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1621	60	m 1, N	*11.8*		B
1914	65	m 1, N	*11.8*		B
1965	10	d 2, 1 e	10.12	00,00	B
1993	10	c 2, 2 d	9.80	07,*08*	B
1993	13	c 2, 2 d	9.80	07,*08*	B
2010	95	c 3, 1 d	9.90	07,*08*	B
2010	78	c 3, 1 d	9.90	07,*08*	B
2032	75	e 3, 2 f	10.48	04,*04*	B
2308	60	e 1, 2 f	10.38	*06*,06	B
2311	60	e 1, 2 f	10.38	*06*,06	B
2311	70	e 2, 0 f, 3 g	10.57	*15*,07, 07	B
2670	10	n 1, N	*12.1*		B
2734	10	o 2, N	*12.4*		B
2760	10	r 1, N	*13.2*		B
3031	10	p 1, N	*12.7*		B
3082	10	o 2, N	*12.4*		B
3143	10	e 3, 2 f	10.48	04,*04*	B
3143	16	f 1, 2 g	10.74	00,00	B
3145	10	f 1, 2 g	10.74	00,00	B
3145	10	f 1, 2 g	10.74	00,00	B
3176	10	k 1, 2 l	11.42	10,*10*	B
3324	10	r 1, N	*13.2*		B
3349	10	o 1, N	*12.3*		B
3383	10	g 2, 1 h	11.13	01,*01*	B
3406	20	d 1, 2 e	10.02	00,00	B
3409	10	d 2, 2 e	10.07	05,*05*	B
3409	10	d 1, 3 e	9.97	05,*05*	B
3437	10	d 2, 2 e	10.07	05,*05*	B
3437	10	d 3, 2 e	10.12	10,*10*	B
3443	11	d 3, 1 e	10.17	05,*05*	Bd
3444	10	d 2, 1 e	10.12	00,00	B
3482	14	h 2, 1 k	11.37	05,*05*	B
3570	19	p 1, N	*12.7*		B
3592	20	o 1, N	*12.3*		B
3658	27	l 2, 1 m	11.70	02,*03*	B
3709	30	c 1, 2 d	9.74	03,*02*	B
3719	20	c 2, 2 d	9.80	07,*08*	B
3728	30	d 1, 2 e	10.02	00,00	B
3743	30	d 3, 1 e	10.17	05,*05*	B
3750	14	f 2, 1 g	10.84	00,00	B
3752	12	g 2, 1 h	11.13	01,*01*	B
3759	32	h 2, 1 k	11.37	05,*05*	B
3778	31	n 2, 1 o	12.20	09,*09*	B
3790	30	o 2, 3 p	12.40	01,*01*	B
3829	30	s 2, 1 t	13.42	14,*13*	B
3861	30	s 1, N	*13.4*		B
3889	31	p 2, N	*12.8*		B
3946	30	p 1, N	*12.7*		B
3959	20	n 2, 1 o	12.20	09,*09*	B
4041	15	l 2, 3 m	11.60	12,*13*	B
4066	30	o 3, 1 p	12.55	*04*,04	B
4094	25	r 2, 2 s	13.28	11,*12*	B

218. *235265.* R TUCANAE.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
4147	30	q 1, N	*13.0*		B
4181	25	r 2, N	*13.3*		B
4202	10	t 2, N	*13.5*		B
4227	28	s 1, N	*13.4*		B
4232	12	p 2, 1 q	12.88	01,*01*	B
4256	33	l 1, 2 m	11.60	02,*03*	B
4448	13	p 2, N	*12.8*		B
4461	30	r 2, N	*13.3*		B
4482	34	r 1, N	*13.2*		B
4538	60	g 2, 1 h	11.13	01,*01*	B
4550	60	d 2, 1 e	10.12	00,00	B
4597	10	d 3, 1 e	10.17	05,*05*	B
4606	10	d 3, 2 e	10.12	10,*10*	B
4805	10	n 2, N	*12.2*		B
4832	10	f 2, 1 g	10.84	00,00	B
4861	12	d 3, 2 e	10.12	10,*10*	B
4862	71	d 2, 1 e	10.12	00,00	B
4865	60	d 3, 2 e	10.12	10,*10*	B
4891	10	k 1, 2 l	11.42	10,*10*	B
"	"	h 2, 3 k	11.27	15,*15*	B
4891	10	f 1, 2 g	10.74	00,00	B
4891	65	f 1, 2 g	10.74	00,00	Bd
4898	246	1 k	11.32	A	B
4920	10	n 2, 1 o	12.20	09,*09*	B
4970	12	p 1	12.79	A	B
5225	60	n 1, 2 o	12.10	09,*09*	B
5263	11	p 1, N	*12.7*		B
5276	10	p 1, N	*12.7*		B
5288	61	p 1, N	*12.7*		B
5316	60	p 1, N	*12.7*		B
5590	63	s 1, N	*13.4*		B
5633	60	t 3, 2 u	13.66	03,*02*	B
5693	61	d 3, 3 e	10.07	15,*15*	B
5702	61	d 3, 2 e	10.12	10,*10*	B
5918	10	l 1, N	*11.6*		B
5938	10	o 2, N	*12.4*		B
5940	10	o 1, N	*12.3*		B
5970	60	l 1, N	*11.6*		B
6013	60	e 2	10.42	A	B
6016	10	e 2, 1 f	10.48	*06*,06	B
6017	61	d 2, 2 e	10.07	05,*05*	B
6018	60	e 1, 2 f	10.38	*06*,06	B
6034	10	g 2, 1 h	11.13	01,*01*	B
6044	62	k 1, 2 l	11.42	10,*10*	B
6060	61	n 2, 1 o	12.20	09,*09*	B
6062	60	k 1	11.52	A	B
6120	61	f 1, 2 g	10.74	00,00	B
	m.				
6253	60	d 3, 1 e	10.17	05,*05*	B
6264	64	d 2, 3 e	10.02	10,*10*	B
6278	64	d 3, 2 e	10.12	10,*10*	B
6279	71	c 3, 1 d	9.90	07,*08*	B
6286	60	d 1, 2 e	10.02	00,00	B
6289	60	c 3, 2 d	9.84	13,*12*	B
6302	62	d 1, 3 e	9.97	05,*05*	B
6310	10	d 3, 2 e	10.12	10,*10*	B
6311	9	d 2, 3 e	10.02	10,*10*	B
6311	10	d 1, 3 e	9.97	05,*05*	B
6311	61	d 3, 2 e	10.12	10,*10*	B
6312	10	d 2, 2 e	10.07	05,*05*	B
6323	58	e 1, 2 f	10.38	*06*,06	B
6331	60	e 2	10.42	A	B
6337	60	f 1	10.74	A	Br
6339	60	2 k	11.22	A	Br
6360	63	k 2	11.62	A	B
6397	60	h 2	11.42	A	B
6437	11	h 1, N	*11.3*		B
6605	61	e 2, 2 f	10.43	*01*,01	B
6634	61	e 3	10.52	A	B
6635	10	l 3, 1 m	11.74	08,*07*	B
6654	60	o 2, 3 p	12.40	01,*01*	B
6694	10	q 1, N	*13.0*		B
6767	61	p 1, N	*12.7*		B
6855	60	d 3, 1 e	10.17	05,*05*	B
6859	62	d 3, 1 e	10.17	05,*05*	B
7017	10	s 1, N	*13.4*		B
7069	11	n 2, N	*12.2*		B
7108	60	k 2	11.62	A	B
7125	60	e 1, 3 f	10.33	*01*,01	B
7125	63	d 2, 3 e	10.02	10,*10*	B
7128	61	d 3, 2 e	10.12	10,*10*	B
7164	66	c 3, 1 d	9.90	07,*08*	B
7166	12	c 3, 2 d	9.84	13,*12*	B
7172	60	d 3, 2 e	10.12	10,*10*	B
7175	62	2 e	10.02	A	Br
7184	60	e 2, 2 f	10.43	*01*,01	B
7194	71	e 3	10.52	A	B

219. *235357.* S PHOENICIS.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1201	60	d 3, 2 e	8.41	*01*,01	B
1235	60	f 1, 2 g	8.77	10,*10*	B
1284	10	a 1, 2 b	7.34	01,*01*	Bd
	m.				
1284	10	a 2, 1 b	7.44	01,*01*	B
1965	10	d 2, 1 e	8.41	*11*,11	B
1993	11	f 1, 2 g	8.77	10,*10*	B
2235	10	d 2, 2 e	8.36	*06*,06	B
2327	*93*	e 2, 0 f, 2 g	8.75	07,02, *08*	B
2328	*120*	e 1, 1 f	8.70	02,*03*	B
2359	*110*	d 2, 1 e	8.41	*11*,11	B
2669	11	f 2, 1 g	8.87	10,*10*	B
2672	10	f 1, 2 g	8.77	10,*10*	Be
2678	*60*	e 1, 1 f	8.70	02,*03*	B
2697	10	d 2, 1 e	8.41	*11*,11	B
2727	10	3 e	8.32	A	Be
2734	10	d 1, 2 e	8.31	*11*,11	B
2755	*62*	c 3	8.08	A	Be
2760	10	d 1, 2 e	8.31	*11*,11	Be
2785	10	f 1	8.87	A	Be
3033	10	d 2, 1 e	8.41	*11*,11	Be
3048	*66*	d 2, 2 e	8.36	*06*,06	B
3052	10	d 2, 1 e	8.41	*11*,11	B
3055	11	d 2, 2 e	8.36	*06*,06	B
3070	*60*	d 2, 2 e	8.36	*06*,06	Be
3083	10	d 2, 2 e	8.36	*06*,06	B
3091	10	e 1, 1 f	8.70	02,*03*	B
3142	12	2 g	8.67	A	Be
3143	10	d 2, 1 e	8.41	*11*,11	B
3143	10	d 1, 2 e	8.31	*11*,11	B
3145	10	1 g	8.77	A	Be
3145	10	d 2, 1 e	8.41	*11*,11	B
3176	11	2 d	7.90	A	Be
3339	10	2 e	8.42	A	Be
3383	10	d 2, 2 e	8.36	*06*,06	B
3385	10	d 1, 2 e	8.31	*11*,11	Be
3406	11	2 e	8.42	A	Be
3406	20	e 1, 2 f	8.64	08,*07*	B
3409	12	1 g	8.77	A	Be
3409	10	d 2, 1 e	8.41	*11*,11	B
3420	*110*	2 e	8.42	A	Be
3422	*132*	f 2, 1 g	8.87	10,*10*	B
3443	10	e 2, 1 f	8.74	08,*07*	B
3444	10	e 1, 2 f	8.64	08,*07*	Bde
3444	10	f 1, 2 g	8.77	10,*10*	B
3482	11	e 2, 1 f	8.74	08,*07*	B
3533	15	d 2, 1 e	8.41	*11*,11	B
3569	10	f 2	8.97	A	Be
3747	11	2 e	8.42	A	Be
3752	15	c 3	8.08	A	Be

219. *235357.* S PHOENICIS.

J. D.	Ex. m.	Comp.	Magn.	Resid.	Obs.
3754	30	d 2, 2 e	8.36	*06*,06	B
3761	13	e 1, 2 f	8.64	08,*07*	B
3771	*60*	2 e	8.42	A	Be
3846	61	b 2, 1 c	7.70	03,*02*	B
3873	13	d 2, 2 e	8.36	*06*,06	B
3874	12	c 2, 0 d, 3 e	8.13	*15*,*03*, 19	B
3877	10	f 1, 2 g	8.77	10,*10*	B
3895	19	d 1, 2 e	8.31	*11*,11	B
3922	15	e 1, 2 f	8.64	08,*07*	B
4109	10	e 1, 2 f	8.64	08,*07*	B
4116	10	d 2, 1 e	8.41	*11*,11	B
4126	11	c 2, 1 d	7.99	*01*,01	B
4130	*70*	3 e	8.32	A	Be
4168	*60*	c 3, 1 d	8.04	04,*04*	B
4195	*92*	2 e	8.42	A	Be
4232	10	e 2	8.82	A	Be
4251	10	e 1	8.72	A	Be
4251	10	c 3, 1 d	8.04	04,*04*	B
4451	11	c 1, 2 d	7.89	*01*,01	B
4597	10	c 2, 1 d	7.99	*01*,01	B
4653	14	2 e	8.42	A	Be
4805	10	g 1, 3 h	9.00	*03*,02	B
4832	10	e 1	8.72	A	Be
4835	11	e 2, 1 f	8.74	08,*07*	B
4842	*70*	d 3, 1 e	8.46	*06*,06	B
4854	*88*	d 3, 2 e	8.41	*01*,01	B
4855	11	2 e	8.42	A	Be
4861	10	2 e	8.42	A	Be
4862	71	d 2, 1 e	8.41	*11*,11	B
4865	60	d 2, 3 e	8.31	*01*,01	B
4869	64	d 2, 2 e	8.36	*06*,06	B
4875	68	d 2, 2 e	8.36	*06*,06	B
4875	*69*	d 1, 3 e	8.26	*06*,06	B
4885	12	c 1, 2 d	7.89	*01*,01	B
4885	10	c 2, 2 d	7.94	04,*04*	B
4891	11	4 e	8.22	A	Be
4891	80	c 2, 1 d	7.99	*01*,01	B
4904	66	d 1, 3 e	8.26	*06*,06	B
4904	*61*	c 2, 2 d	7.94	04,*04*	B
4909	*91*	d 1, 3 e	8.26	*06*,06	B
4924	66	d 2, 2 e	8.36	*06*,06	B
4927	10	2 e	8.42	A	Be
4939	65	d 1, 3 e	8.26	*06*,06	B
4940	11	2 d	7.90	A	Be
4954	99	d 2, 3 e	8.31	*01*,01	B
4965	*60*	d 3, 2 e	8.41	*01*,01	B
4972	10	c 3	8.08	A	Be
4972	13	c 3, 2 d	7.99	09,*09*	B
4980	60	e 2, 1 f	8.74	08,*07*	B
4987	73	f 1, 2 g	8.77	10,*10*	B
4990	61	e 1, 2 f	8.64	08,*07*	B
5203	10	2 e	8.42	A	Be
5224	62	c 2, 1 d	7.99	*01*,01	Bi
5226	60	c 2, 1 d	7.99	*01*,01	B
5235	60	d 2, 3 e	8.31	*01*,01	Bi
5235	66	d 1, 2 e	8.31	*11*,11	B
5262	11	c 2, 0 d, 3 e	8.13	*15*,*03*, 19	B
5263	61	d 2, 3 e	8.31	*01*,01	B
5266	60	c 3, 1 d	8.04	04,*04*	B
5267	65	c 2, 2 d	7.94	04,*04*	B
5268	63	d 2, 3 e	8.31	*01*,01	B
5275	60	d 1, 3 e	8.26	*06*,06	B
5276	10	c 2, 2 d	7.94	04,*04*	B
5288	60	d 1, 2 e	8.31	*11*,11	B
5309	60	e 1, 1 f	8.70	02,*03*	Be
5310	60	d 1, 2 e	8.31	*11*,11	B
5310	60	e 1, 2 f	8.64	08,*07*	B
5334	64	c 1	7.88	A	Be
5541	61	d 1, 3 e	8.26	*06*,06	B
5542	10	b 1, 2 c	7.60	03,*02*	B
5557	60	d 2, 3 e	8.31	*01*,01	B
5561	61	d 2, 3 e	8.31	*01*,01	B
5577	60	d 1, 3 e	8.26	*06*,06	B
5589	60	d 3, 2 e	8.41	*01*,01	B
5592	10	1 e	8.52	A	Be
5604	64	d 3, 2 e	8.41	*01*,01	B
5607	55	d 3, 2 e	8.41	*01*,01	B
5613	465	d 3, 1 e	8.46	*06*,06	B
5619	62	d 3, 3 e	8.36	04,*04*	B
5619	13	2 e	8.42	A	Be
5631	60	d 3, 2 e	8.41	*01*,01	B
5634	65	e 2, 2 f	8.70	12,*13*	B
5659	60	d 2, 3 e	8.31	*01*,01	B
5666	10	c 3	8.08	A	Be
5666	10	c 2, 2 d	7.94	04,*04*	Bd
5693	61	c 2, 1 d	7.99	*01*,01	B
5722	63	d 1, 3 e	8.26	*06*,06	B
5903	60	c 2, 2 d	7.94	04,*04*	B
5912	60	c 3, 1 d	8.04	04,*04*	B
5918	60	c 2, 3 d	7.89	09,*09*	B
5926	60	d 1, 3 e	8.26	*06*,06	B
5926	10	b 2, 1 c	7.70	03,*02*	B
5940	60	d 1, 3 e	8.26	*06*,06	B
5943	60	d 1, 3 e	8.26	*06*,06	B
5974	66	g 1, 4 h	8.94	03,*02*	B
6013	60	d 2, 3 e	8.31	*01*,01	B
6016	10	b 2, 1 c	7.70	03,*02*	B
6018	60	d 2, 2 e	8.36	*06*,06	B
6027	60	d 1, 3 e	8.26	*06*,06	B
6034	10	c 2	7.98	A	Be
6057	22	d 1, 3 e	8.26	*06*,06	B
6057	41	d 1, 3 e	8.26	*06*,06	B
6059	60	d 2, 3 e	8.31	*01*,01	B
6062	60	d 2, 3 e	8.31	*01*,01	B
6062	60	d 1, 4 e	8.21	*01*,01	B
6085	60	c 3, 1 d	8.04	04,*04*	B
6117	60	d 2, 1 e	8.41	*11*,11	B
6120	61	d 2, 1 e	8.41	*11*,11	B
6253	60	c 2, 1 d	7.99	*01*,01	B
6264	64	d 2, 3 e	8.31	*01*,01	B
6269	61	d 1, 3 e	8.26	*06*,06	B
6269	61	b 2, 1 c	7.70	03,*02*	B
6278	69	d 3, 1 e	8.46	*06*,06	B
6281	10	d 2, 2 e	8.36	*06*,06	B
6282	60	e 1, 2 f	8.64	08,*07*	B
6286	61	h 1	9.42	A	Be
6286	60	f 1, 2 g	8.77	10,*10*	Be
6302	62	g 2, 3 h	9.04	03,*02*	B
6310	10	c 4	8.18	A	Be
6311	61	d 2, 1 e	8.41	*11*,11	B
6312	10	f 1, 1 g	8.82	05,*05*	B
6323	58	e 1, 2 f	8.64	08,*07*	B
6324	60	2 g	8.67	A	Be
6324	60	f 1, 0 g, 2 h	8.95	*08*;*08*, 17	B
6331	60	d 2, 1 e	8.41	*11*,11	B
6340	60	d 3, 1 e	8.46	*06*,06	B
6345	60	d 3, 1 e	8.46	*06*,06	B
6346	68	2 g	8.67	A	Be
6347	60	c 3	8.08	A	Be
6360	63	d 2, 1 e	8.41	*11*,11	B
6397	60	d 2, 3 e	8.31	*01*,01	B
6402	66	d 1, 3 e	8.26	*06*,06	B
6419	66	d 3, 1 e	8.46	*06*,06	B
6436	54	f 2, 1 g	8.87	10,*10*	B
6437	11	g 2, 2 h	9.10	*03*,02	Be
6461	60	g 1, 2 h	9.04	*07*,08	B
6606	60	h 1, 1 k	9.42	00,00	B
6624	60	g 4, 1 h	9.24	03,*02*	B

219. *235357*. S Phoenicis.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
6634	59	g 2, 2 h	9.10	*03*,02	B
6635	60	g 2, 3 h	9.04	03,*02*	B
6643	10	d 2, 2 e	8.36	*06*,06	B
6652	61	d 3, 2 e	8.41	*01*,01	B
6662	60	c 2, 2 d	7.94	04,*04*	B
6663	60	c 2, 2 d	7.94	04,*04*	B
6663	10	b 2, 1 c	7.70	03,*02*	B
6667	29	b 2, 2 c	7.66	07,*08*	B
6684	60	c 2, 2 d	7.94	04,*04*	B
6684	10	c 2, 1 d	7.99	*01*,01	B
6692	61	d 2, 3 e	8.31	*01*,01	B
6694	60	d 1, 3 e	8.26	*06*,06	B
6694	10	c 3, 2 d	7.99	09,*09*	B
6711	12	d 3, 1 e	8.46	*06*,06	B
6727	60	e 2, 1 f	8.74	08,*07*	B
6733	61	f 1, 2 g	8.77	10,*10*	B
6753	60	g 3, 1 h	9.20	*03*,02	B
6754	62	g 3, 2 h	9.14	03,*02*	B
6759	63	3 l	9.54	A	Be
6768	62	g 3, 2 h	9.14	03,*02*	B
6786	60	h 1, 2 k	9.37	05,*05*	B
6855	60	d 1, 2 e	8.31	*11*,11	B
6991	60	d 2, 2 e	8.36	*06*,06	B
6992	65	d 2, 3 e	8.31	*01*,01	B
7004	60	d 1, 3 e	8.26	*06*,06	B
7010	64	c 2, 2 d	7.94	04,*04*	B
7017	60	c 3, 1 d	8.04	04,*04*	B
7020	10	d 2, 2 e	8.36	*06*,06	B
7021	12	d 1, 3 e	8.26	*06*,06	B
7021	61	d 1, 3 e	8.26	*06*,06	B
7026	10	3 g	8.57	A	Be
7027	*131*	3 g	8.57	A	Be
7032	62	d 1, 3 e	8.26	*06*,06	B
7052	60	f 1, 2 g	8.77	10,*10*	B
7067	60	g 2, 2 h	9.10	*03*,02	B
7068	65	g 4, 1 h	9.24	03,*02*	B
7075	60	g 2, 3 h	9.04	03,*02*	B
7083	*124*	f 1, 2 g	8.77	10,*10*	B
7095	61	g 3, 1 h	9.20	*03*,02	B
7096	64	g 3, 2 h	9.14	03,*02*	B
7108	60	g 2, 3 h	9.04	03,*02*	B
7110	60	g 2, 3 h	9.04	03,*02*	B
7121	62	d 1, 3 e	8.26	*06*,06	B
7128	61	b 3, 2 c	7.70	13,*12*	B
7128	10	c 1	7.88	A	Be
7164	66	d 2, 3 e	8.31	*01*,01	B
7166	10	d 3, 2 e	8.41	*01*,01	B
7172	66	d 1, 3 e	8.26	*06*,06	B
7193	61	d 3, 2 e	8.41	*01*,01	B

220. 235525. Z Pegasi.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
1585	19	l 3, 2 m	10.55	01,*01*	B
1653	85	s 2, N	*12.1*		B
1692	18	p 1, N	*11.5*		B
2023	10	p 2, N	*11.6*		B
2041	11	m 1, N	*10.8*		B
2080	12	m 1, 2 n	10.79	05,*05*	B
2080	11	l 3, 2 m	10.55	*01*,01	B
2086	14	k 2, 2 l	10.25	19,*19*	B
2095	10	k 2, 1 l	10.30	14,*14*	B
2095	10	l 2, 4 m	10.40	06,*06*	B
2348	17	r 1, N	*11.9*		B
2362	15	s 2, N	*12.1*		B
2409	13	m 1, 2 n	10.79	05,*05*	B
2689	20	s 2, N	*12.1*		B
2709	16	s 2, 2 t	12.10	07,*08*	B
2737	23	s 1, 2 t	12.04	03,*02*	B
2831	75	c 2, 0 d, 3 e	8.73	*05*,13, *09*	B
2836	10	c 1, 3 d	8.57	01,*01*	B
2836	30	c 2, 2 d	8.67	01,*01*	B
2854	30	c 2, 1 d	8.72	*04*,04	B
3083	10	g 1, 1 h	9.95	06,*06*	B
3083	21	h 2, 1 k	10.16	03,*02*	Bde
3100	10	f 3, 2 g	9.65	*06*,06	Be
3113	10	e 2, 1 f	9.16	*02*,03	B
3113	13	e 2, 1 f	9.16	*02*,03	B
3120	11	e 2, 1 f	9.16	*02*,03	B
3120	15	d 2, 1 e	8.95	11,*11*	B
3121	6	d 2, 1 e	8.95	11,*11*	B
3122	31	e 2, 2 f	9.12	02,*03*	B
3139	12	c 3, 2 d	8.72	06,*06*	B
3149	10	b 1, 2 c	8.34	06,*06*	B
3168	10	a 3, 2 b	7.99	*11*,11	B
3169	10	2 b	8.10	A	Be
3176	13	b 1, 2 c	8.34	06,*06*	B
3176	10	a 3, 4 b	7.89	*01*,01	B
3183	21	b 1, 2 c	8.34	06,*06*	B
“	“	a 3, 2 b	7.99	*11*,11	Bp
3196	16	c 2, 1 d	8.72	*04*,04	B
3405	12	o 2, N	*11.3*		B
3473	11	h 1, 2 k	10.06	03,*02*	B
3495	20	c 2, 1 d	8.72	*04*,04	B
3504	11	e 2, 2 f	9.12	02,*03*	B
3531	10	e 2, 2 f	9.12	02,*03*	B
3782	16	f 2, 3 g	9.55	*06*,06	B
3804	19	e 2, 1 f	9.16	*02*,03	B
3807	10	c 3, 2 d	8.72	06,*06*	B
3807	10	3 f	8.99	A	Be
3855	10	d 2, 1 e	8.95	11,*11*	B
3863	15	f 2, 4 g	9.50	*01*,01	B
3878	12	f 3, 3 g	9.60	*01*,01	Be
3895	30	h 2, 2 k	10.12	07,*08*	Be
3905	10	h 2, 1 k	10.16	03,*02*	B
3943	9	o 1, 2 p	11.22	00,00	Be
4142	10	2 f	9.09	A	Be
4157	19	2 f	9.09	A	Be
4171	11	c 3, 2 d	8.72	06,*06*	B
4173	10	e 2, 2 f	9.12	02,*03*	B
4176	14	c 3, 1 d	8.77	01,*01*	Be
4196	*61*	f 2, 3 g	9.55	*06*,06	Bi
4207	10	g 1, 1 h	9.95	06,*06*	Bi
4211	11	h 2, 1 k	10.16	03,*02*	B
4216	*65*	h 2, 0 k	10.22	*03*,02	Bd
4227	46	h 1, 2 k	10.06	03,*02*	B
4233	21	h 2, 1 k	10.16	03,*02*	B
4256	11	l 3, 2 m	10.55	01,*01*	B
4256	11	m 1, 2 n	10.79	05,*05*	B
4259	11	n 1, 2 o	10.98	06,*06*	B
4265	13	m 2, 1 n	10.89	05,*05*	B
4286	10	r 2	12.05	A	B
4306	*85*	o 1, N	*11.2*		B
4325	15	p 1, N	*11.5*		B
4523	*54*	f 3	9.59	A	B
4580	12	m 2, 1 n	10.89	05,*05*	B
4591	12	n 2, 1 o	11.08	06,*06*	B
4597	12	q 1, 2 r	11.68	02,*03*	B
4615	16	p 2, 1 q	11.56	06,*06*	B
4893	120	m 2, 1 n	10.89	05,*05*	B
4940	19	s 1, N	*12.0*		B
4947	14	r 1, N	*11.9*		B
5004	10	r 2, N	*12.0*		B
5046	58	h 2, 1 k	10.16	03,*02*	B
5052	89	h 2, 1 k	10.16	03,*02*	B.
5352	13	m 2, 1 n	10.89	05,*05*	B
5363	11	l 3, 1 m	10.60	*04*,04	B
5366	108	m 1, 2 n	10.79	05,*05*	B
5376	22	m 2, 1 n	10.89	05,*05*	B
5383	61	m 1, 2 n	10.79	05,*05*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
220. 235525. Z PEGASI.					
	m.				
5390	71	h 3, 1 k	10.22	07,*08*	B
5393	72	h 3, 1 k	10.22	07,*08*	B
5404	60	f 3, 3 g	9.60	*01*,01	B
5407	58	g 1, 2 h	9.90	11,*11*	B
5434	71	e 3, 1 f	9.22	02,*03*	B
5652	10	m 2, 1 n	10.89	05,*05*	B
5666	48	l 3, 2 m	10.55	01,*01*	B
5687	18	h 2, 1 k	10.16	03,*02*	B
5689	65	f 4, 2 g	9.70	*01*,01	B
5696	125	f 3, 3 g	9.60	*01*,01	B
5699	59	f 3, 3 g	9.60	*01*,01	B
5716	66	e 2, 1 f	9.16	*02*,03	B
5717	65	e 2, 1 f	9.16	*02*,03	B
5719	44	e 2, 2 f	9.12	02,*03*	B
5721	75	e 2, 1 f	9.16	*02*,03	B
5724	61	e 2, 2 f	9.12	02,*03*	B
5724	97	e 1, 2 f	9.06	*02*,03	B
5730	42	c 2, 2 d	8.67	01,*01*	B
5740	14	c 3, 2 d	8.72	06,*06*	B
5751	87	c 2, 2 d	8.67	01,*01*	B
5753	75	a 3, 2 b	7.99	*11*,11	B
5767	65	a 3, 2 b	7.99	*11*,11	B
5769	63	c 2, 1 d	8.72	*04*,04	B
5775	95	c 2, 1 d	8.72	*04*,04	B
5777	63	e 2, 1 f	9.16	*02*,03	B
5796	62	f 4, 2 g	9.70	*01*,01	B
5995	73	l 2	10.46	A	Bi
6029	65	h 2, 1 k	10.16	03,*02*	B
6031	61	h 2, 2 k	10.12	07,*08*	B
6032	60	f 3, 3 g	9.60	*01*,01	B
6032	72	h 2, 2 k	10.12	07,*08*	B
6033	55	f 4, 2 g	9.70	*01*,01	B
6034	60	f 4, 3 g	9.65	04,*04*	B
6046	95	f 3, 4 g	9.55	04,*04*	B
6047	60	e 3, 1 f	9.22	02,*03*	B
6048	86	f 2, 4 g	9.50	*01*,01	B
6056	60	f 1, 5 g	9.40	*01*,01	B
6061	10	f 2, 4 g	9.50	*01*,01	B
6074	70	e 2, 2 f	9.12	02,*03*	B
6082	47	e 3, 2 f	9.16	08,*07*	B
6085	17	e 2, 1 f	9.16	*02*,03	B
6085	90	f 3, 3 g	9.60	*01*,01	B
6085	63	e 3, 1 f	9.22	02,*03*	B
6101	90	f 3, 3 g	9.60	*01*,01	B
6107	15	f 3, 2 g	9.65	*06*,06	B
6108	66	f 2, 4 g	9.50	*01*,01	B
6112	64	h 2, 2 k	10.12	07,*08*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
220. 235525. Z PEGASI.					
	m.				
6114	60	e 2, 1 f	9.16	*02*,03	B
"	"	f 2, 3 g	9.55	*06*,06	B
6134	76	l 1, 4 m	10.35	01,*01*	B
6141	77	l 2, 2 m	10.50	*04*,04	B
6152	72	m 2	10.94	A	B
6320	54	h 2, 1 k	10.16	03,*02*	B
6328	62	f 4, 2 g	9.70	*01*,01	B
6339	62	h 1, 2 k	10.06	03,*02*	B
6344	61	f 3	9.59	A	B
6350	91	f 1, 4 g	9.45	*06*,06	B
6354	61	f 3	9.59	A	B
6376	59	c 3, 2 d	8.72	06,*06*	B
6383	73	c 1, 2 d	8.62	*04*,04	B
6387	90	c 3, 2 d	8.72	06,*06*	B
6397	63	c 2, 2 d	8.67	01,*01*	B
6400	64	d 1, 2 e	8.85	11,*11*	B
6401	61	c 2, 1 d	8.72	*04*,04	B
6402	60	c 3, 1 d	8.77	01,*01*	B
6408	63	e 2, 2 f	9.12	02,*03*	B
6413	57	e 3, 1 f	9.22	02,*03*	B
6415	62	e 2, 2 f	9.12	02,*03*	B
6416	81	e 2, 2 f	9.12	02,*03*	B
6417	75	e 2, 2 f	9.12	02,*03*	B
6418	66	e 2, 1 f	9.16	*02*,03	B
6427	64	f 4, 3 g	9.65	04,*04*	B
6427	71	f 1, 4 g	9.45	*06*,06	B
6428	100	e 2, 1 f	9.16	*02*,03	B
6429	63	e 2, 2 f	9.12	02,*03*	B
6429	11	f 2, 3 g	9.55	*06*,06	B
6433	67	f 2, 2 g	9.60	*11*,11	B
6434	51	f 3, 3 g	9.60	*01*,01	B
6434	38	g 1	10.01	A	B
6440	76	f 3, 3 g	9.60	*01*,01	B
6444	17	h 2, 1 k	10.16	03,*02*	B
6463	75	l 2, 1 m	10.55	*09*,09	B
6463	63	m 1, 2 n	10.79	05,*05*	B
6472	*56*	l 3, 2 m	10.55	01,*01*	B
6651	60	h 2, 2 k	10.12	07,*08*	B
6664	57	h 2, 1 k	10.16	03,*02*	B
6680	61	f 3, 3 g	9.60	*01*,01	B
6682	61	f 3, 3 g	9.60	*01*,01	B
6682	60	f 3, 3 g	9.60	*01*,01	B
6685	60	f 3, 3 g	9.60	*01*,01	B
6691	67	e 3, 1 f	9.22	02,*03*	B
6693	61	e 1, 2 f	9.06	*02*,03	B
6695	60	e 2, 2 f	9.12	02,*03*	B
6697	60	e 2, 2 f	9.12	02,*03*	B

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
220. 235525. Z PEGASI.					
	m.				
6701	59	e 2, 1 f	9.16	*02*,03	B
6703	63	e 2, 2 f	9.12	02,*03*	B
6710	60	e 2, 2 f	9.12	02,*03*	B
6711	54	d 2, 1 e	8.95	11,*11*	B
6713	60	e 2, 2 f	9.12	02,*03*	B
6714	65	e 2, 1 f	9.16	*02*,03	B
6715	60	e 1, 2 f	9.06	*02*,03	B
6716	58	e 2, 1 f	9.16	*02*,03	B
6720	79	c 2, 1 d	8.72	*04*,04	B
6724	66	f 1, 4 g	9.45	*06*,06	B
6727	61	e 2, 2 f	9.12	02,*03*	B
6730	109	f 2, 4 g	9.50	*01*,01	B
6731	82	e 2, 1 f	9.16	*02*,03	B
6740	67	e 2, 1 f	9.16	*02*,03	B
6740	124	f 3, 2 g	9.65	*06*,06	B
6741	60	f 3, 4 g	9.55	04,*04*	B
6752	62	h 2, 2 k	10.12	07,*08*	B
6754	66	h 2, 1 k	10.16	03,*02*	B
6757	12	l 1, 4 m	10.35	01,*01*	B
6761	60	h 2, 1 k	10.16	03,*02*	Bd
6769	13	l 3, 1 m	10.60	*04*,04	B
6769	22	l 3, 1 m	10.60	*04*,04	B
6770	70	l 2	10.46	A	B
6781	62	m 1	10.84	A	B
6790	66	m 2	10.94	A	B
7009	65	e 2, 1 f	9.16	*02*,03	B
7025	58	e 2, 2 f	9.12	02,*03*	B
7034	58	d 1, 2 e	8.85	11,*11*	B
7042	56	d 2, 1 e	8.95	11,*11*	B
7045	62	e 2, 2 f	9.12	02,*03*	B
7046	66	e 1, 2 f	9.06	*02*,03	B
7052	70	e 1, 2 f	9.06	*02*,03	B
7053	61	d 2, 1 e	8.95	11,*11*	B
7054	68	e 2, 2 f	9.12	02,*03*	B
7055	82	e 2	9.14	A	B
7060	71	e 1, 2 f	9.06	*02*,03	B
7061	67	e 2, 1 f	9.16	*02*,03	B
7067	60	e 2, 2 f	9.12	02,*03*	B
7077	60	f 3, 4 g	9.55	04,*04*	B
7084	60	f 4	9.69	A	B
7089	64	h 2, 2 k	10.12	07,*08*	B
7090	62	l 3, 3 m	10.50	06,*06*	B
7096	5	l 2, 3 m	10.45	01,*01*	B
7097	60	l 1, 2 m	10.45	*09*,09	B
7185	30	s 2, 1 t	12.14	03,*02*	B

221. 235855. Y Cassiopeiae.

J. D.	Ex.	Comp.	Magn.	Resid.	Obs.
	m.				
9831	40	f 1, 3 g	10.92	02,*03*	F
0606	23	f 3, 1 g	11.12	02,*03*	F
0607	35	f 2, 2 g	11.02	02,*03*	F
1321	60	n 3, N	*13.0*		F
1371	18	o 1, N	*13.2*		F
1584	14	n 2, N	*12.9*		F
1641	36	n 2, N	*12.9*		F
1672	10	n 3, N	*13.0*		F
1724	18	o 1, N	*13.2*		F
1768	10	n 2, N	*11.9*		B
1935	13	g 2, N	*11.3*		F
2056	6	o 1, N	*13.2*		F
2086	12	n 3, N	*13.0*		F
2106	10	m 2, N	*12.6*		F
2348	13	n 2, 2 o	11.90	00,00	Br
2409	14	n 3, N	*13.0*		F
2462	10	n 3, N	*13.0*		F
2666	10	h 3, 1 k	11.72	05,*05*	B
2684	18	f 3, 1 g	11.12	02,*03*	F
"	"	f 3, 2 g	11.06	08,*07*	B
2686	11	f 3, 1 g	11.12	02,*03*	F
"	"	f 3, 1 g	11.12	02,*03*	B
2707	13	f 3, 1 g	11.12	02,*03*	F
2709	17	f 3, 1 g	11.12	02,*03*	F
2711	16	f 3, 1 g	11.12	02,*03*	Bde
2758	10	k 3, 1 l	12.03	04,*04*	F
2758	17	h 3, 1 k	11.72	05,*05*	F
2762	10	k 3, 2 l	11.98	09,*09*	F
2849	10	m 1, 2 n	12.54	00,00	B
3083	12	h 2, 2 k	11.62	05,*05*	B
3092	21	f 4, 0 g, 3 h	11.20	04,*01*, *03*	F
3092	11	f 3, 1 g	11.12	02,*03*	F
3112	18	f 1, 3 g	10.92	02,*03*	F
3113	13	e 3, 1 f	10.76	03,*02*	F
3120	10	f 1, 3 g	10.92	02,*03*	F
3144	13	f 3, 1 g	11.12	02,*03*	F
3149	11	f 3, 1 g	11.12	02,*03*	F
3176	10	k 1, 3 l	11.83	04,*04*	F
3176	14	h 2, 2 k	11.62	05,*05*	F
3183	30	h 3, 1 l	12.03	04,*04*	B
3422	13	l 2, 1 m	12.32	*03*,02	B
3432	35	m 3, N	*12.7*		F
3469	17	m 2, N	*12.6*		F
3505	13	m 1, 3 n	12.49	05,*05*	F
3713	18	o 1, N	*13.2*		F
3733	10	o 1, N	*13.2*		F
3776	24	n 3, N	*13.0*		F
3818	18	o 3, N	*13.4*		F
3855	10	o 2, N	*13.3*		F
3878	10	n 3, 2 o	12.99	05,*05*	F
3895	16	m 2, 1 n	12.64	00,00	F
3907	10	h 1, 2 k	11.57	00,00	F
3907	11	k 1, 2 l	11.88	*01*,01	F
3914	37	d 2, 2 e	10.32	02,*03*	F
3928	76	c 1, 3 d	9.85	01,*01*	F
3937	10	f 1, 3 g	10.92	02,*03*	F
3937	13	e 4, 0 f, 4 g	10.84	05,00, *05*	F
"	"	e 2, 1 f	10.72	*03*,02	B
3957	10	k 1, N	*11.8*		B
3966	14	g 3, 1 h	11.43	06,*06*	B
3966	10	g 1, 3 h	11.23	06,*06*	Fe
3997	13	h 2, 1 k	11.67	00,00	F
3997	12	k 2, 2 l	11.93	04,*04*	F
4037	10	n 2	12.94	A	F
4107	10	n 2	12.94	A	F
4154	10	m 1, N	*12.5*		B
4170	10	n 1, N	*12.8*		B
4177	14	n 2, N	*12.9*		B
4546	10	o 2, N	*13.3*		B
4580	20	o 2, N	*13.3*		B
4617	14	o 1, N	*13.2*		B
4913	12	o 2, N	*13.3*		B
4961	24	o 2, N	*13.3*		B
5001	13	n 1, N	*12.8*		B
5241	13	m 1, 2 n	12.54	00,00	B
5241	29	k 2, 1 l	11.98	*01*,01	B
5658	15	k 1, 3 l	11.83	04,*04*	B
5679	18	k 3, 1 l	12.03	04,*04*	B
5679	22	k 2, 1 l	11.98	*01*,01	B
5709	9	m 2, 1 n	12.64	00,00	B
5769	10	n 1, N	*12.8*		B
6074	21	m 3, 2 n	12.64	10,*10*	B
6085	17	m 3, 1 n	12.69	05,*05*	B
6089	13	m 3, 1 n	12.69	05,*05*	B
6093	21	m 2, 1 n	12.64	00,00	Bde
6107	17	m 3, 1 n	12.69	05,*05*	B
6338	10	l 2, 1 m	12.32	*03*,02	B
6370	22	g 1, 2 h	11.28	01,*01*	Be
6409	51	f 2, 2 g	11.02	02,*03*	B
6439	48	h 2, 1 k	11.67	00,00	B
6444	29	k 3, 2 l	11.98	09,*09*	B
6684	10	l 1, N	*12.1*		B
6829	14	h 2, 1 k	11.67	00,00	B
7126	44	o 1, N	*13.2*		Be
7168	32	m 2, 0 n	12.69	*05*,05	Be
7171	16	m 2, 1 n	12.64	00,00	B

REMARKS.

000339. On J. D. 3435, second plate, image of star k defective.

001032. On J. D. 1993, third plate, the measure is obviously discordant owing to the variable being on extreme edge of plate. On J.D. 6760, image of star f defective.

001862. On J. D. 3845, the three measures were made on the same plate. On J.D. 6694, first plate, image of star l defective.

005475. On J. D. 2761, second plate, doubtful whether star p is visible. J. D. 3893. This plate was exposed also on J. D. 3894. The length of the first exposure was 155^{m}. The time of ending of the second exposure was not recorded. J. D. 3895. This plate was exposed also on J. D. 3896, the two exposures being 210^{m} and 210^{m}, respectively. On J.D. 4962, first plate, image of star h defective.

015354. On J. D. 2728 and 3897, the two measures were made on the same plate. On J. D. 5334, images trailed on plate.

023133. The interval in brightness between the comparison stars e and f exceeds a magnitude, as shown on page 9. The first comparisons made with a brighter and a fainter star were discordant in many cases. They have accordingly been rejected and a second comparison substituted. On J. D. 3223, all the measures, and on 6810, the last three measures, were made on the same plate.

025050. The measures of this star are discordant when it is bright, owing to the distances and dissimilarity in form of the images of the comparison stars. On J. D. 2786, the three measures were made on the same plate.

040725. On J. D. 6580, image of star e defective.

043738. On J. D. 3888, defect in region of variable.

050022. On J. D. 3258, the three measures were made on the same plate.

050848. On J. D. 3138, the spectrum of star a is partly superposed on that of star b, making comparison between a and the variable doubtful. On J. D. 4749, the estimate is wrong, for on this plate, taken with the Bruce Telescope, the variable is at least two magnitudes fainter than the faintest comparison star.

051533. On J. D. 7077, image of star h defective.

055686. On J. D. 4764, first plate, image of variable defective.

074241. On J. D. 2761, near edge. Star g beyond limit of plate.

101058. On J. D. 2219, the two measures were made on the same plate. On J. D. 3260, defect in region of variable. On J. D. 4085, second plate, image of variable defective.

111661. On J. D. 2964, plate broken in region of variable.

122854. On J. D. 3603, image of star r defective.

125057. On J. D. 2964, image of variable defective. On J. D. 3321, image of star g defective.

133155. On J. D. 4836, the two measures were made on the same plate. On J. D. 6327, image of variable elongated.

140113. Owing to suspected variability, star m was omitted from the sequence, and star e is not comparable with the variable on plates taken with the Cooke lens.

*144646*a. When the image of the variable is distorted or elongated, the combined light of S Lupi and its companion, X Lupi, has been measured, as the two stars are too close to separate. On J. D. 1873, first plate, measure not confirmed, owing to poor plate. On J. D. 5515, measure not confirmed, owing to poor plate.

150850. On J. D. 3772, defect in region of variable. Measure not confirmed.

151822. On J. D. 5264, defect in region of star l.

152714. On J. D. 5575, image of star d defective.

153378. On J. D. 5147, the last two measures were made on the same plate.

165030. On J. D. 5264, image of variable defective. On J. D. 6298, second plate, measure not confirmed, owing to poor plate.

165636. On J. D. 5599, the two measures were made on the same plate.

170833. On J. D. 1452, image of star f defective.

171401. On J. D. 4177, defect in region of star m. On J. D. 5533, image of variable defective.

171843. On J. D. 7069, image of variable defective.

173543. On J. D. 6286, star l is superposed on variable, making comparison difficult.

174162. On several plates, star f appears brighter than star e. The difference is probably due to the photographic image, and not to real variation in either star. On J. D. 6932, image of star g defective.

174135. On J. D. 6253 and 7096, star d is partly superposed on variable, owing to elongation of images.

181949. Image of variable nearly superposed on star n, making comparison difficult.

182133. On J. D. 3374, the two measures were made on the same plate. On J. D. 5532, defect in region of variable. On J. D. 6016, star g appears brighter than star f. The difference is probably due to the photographic image and not to real variation in either star. On J. D. 7096, defect in region of variable.

182345. On J. D. 6957, image of star m defective.

183838. On J. D. 6269, image of variable partly superposed on star r, making comparison difficult.

*185512*a. J. D. 5668. Star q appears double on this plate. See Remark 136 on page 94. J. D. 5966. This plate was exposed also on J. D. 5967, the two exposures being 282^{m} and 441^{m}, respectively.

190818. On J. D. 3349, the two measures were made on the same plate.

191331. On J. D. 3349, measure doubtful, owing to elongation of images. On J. D. 7051 and 7121, image of variable nearly superposed on adjacent star, making comparison difficult.

*191517*a. J. D. 6016. This plate was exposed also on J. D. 6017, the two exposures being 204^{m} and 270^{m}, respectively. On J. D. 6905, image of variable defective.

193972. On J. D. 6957, image of star h defective.

194048. On J. D. 4773, defect in region of variable. On J. D. 5901, first plate, image of variable partly superposed on star h. On J. D. 6230, images trailed, making comparison difficult. On J. D. 6548, image of variable partly superposed on star h.

195142. Star d has not been used in observing the variable, since it is given as variable in the C. D. M. See Remark 162 on page 96.

195308. J. D. 5966. This plate was exposed also on J. D. 5967, the two exposures being 282^{m} and 441^{m}, respectively. On J. D. 6258, first plate, defect in region of variable. J. D. 7109. This plate was exposed also on J. D. 7110, the two exposures being 227^m and 253^m, respectively. J. D. 7114. This plate was exposed also on J. D. 7116 and 7117, the three exposures being 211^m, 64^m, and 205^m, respectively.

200212. J. D. 5966. This plate was exposed also on J. D. 5967, the two exposures being 282^m and 441^m, respectively.

201139. On J. D. 4882, second plate, defect in region of variable. On J. D. 6613, image of star q defective.

201434. On J. D. 4186, star p appears brighter than star o. The difference is probably due to the photographic image and not to real variation in either star.

203429. On J. D. 6398, second plate, image of variable defective.

204104. On J. D. 3146, the two measures were made on the same plate.

204954. On J. D. 3052, the last two measures were made on the same plate.

211741. On J. D. 6288, star f appears brighter than star e. The difference is probably due to the photographic image, and not to real variation in either star.

215605. On J. D. 7011, image of star e defective.

221722. Star f has not been used in observing the variable, as it is suspected of variability.

221938. On J. D. 4865, image of variable defective.

222439. On J. D. 3852, film off plate in region of star l.

225914. On J. D. 2714, image of star d defective. On J. D. 3083, defect in region of variable. J. D. 5649. This plate was exposed twice in the region of the variable and once in the region of the Pole, the three exposures being 10^m each. J. D. 5650. This plate was exposed twice in the region of the variable and once in the region of the Pole, the three exposures being 10^m each. On J. D. 5663 the second plate was exposed twice in the region of the variable and once in the region of the Pole, the three exposures being 10^m each. J. D. 5699. This plate was exposed twice in the region of the variable and once in the region of the Pole, the three exposures being 10^m each.

232848. On J. D. 4672, image of star g defective.

233335. On J. D. 6386, measure discordant. On J. D. 6817, measure discordant.

235265. On J. D. 6337 and 6339, star g partly superposed on star h. On J. D. 7175, image of star d defective.

235855. On the spectrum plates, the spectrum of star g is superposed on that of the variable, and on the plates taken with the Cooke lens, the image of star m is not clearly separated from that of the variable. The measures have accordingly been rejected. On J. D. 2348, image of variable defective.

Table II furnishes the means of determining the year in which each of the observations, contained in Table I, was made. The year is followed by the Julian Day of January 1.

TABLE II.

JULIAN DAYS OF JANUARY 1.

Year.	J. D.	Year.	J. D.	Year.	J. D.	Year.	J. D.
1886	9908	1891	1734	1896	3560	1901	5386
1887	0273	1892	2099	1897	3926	1902	5751
1888	0638	1893	2465	1898	4291	1903	6116
1889	1004	1894	2830	1899	4656	1904	6481
1890	1369	1895	3195	1900	5021	1905	6847

Table III contains a list of the comparison stars used in Table I in addition to those contained in Part I. The sequence to which each star belongs is indicated in the first three columns. They give the number in Part I, the designation, and the name of the variable to which the sequence relates. The letter indicating the comparison star is given in the fourth column. The next four columns give the number, magnitude, right ascension, and declination taken from the Durchmusterung, when the star occurs in that work. For other stars, the position was determined by measurement of photographic charts of the region. The position for 1855 is accordingly given, in all cases, for stars north of declination −23°, and 1875, for other stars. The last four columns show how the magnitude was derived. The interval between the star and that next it in the sequence was estimated in grades, or determined from the estimates in which the variable was compared with both stars. The mean of these estimates was then applied to the magnitude already found for one of the stars. The four columns give the letters designating the two stars, the mean estimated interval expressed in tenths of a grade, the residuals in grades, and the concluded magnitude. Thus, the first line relates to star p of the sequence for Variable 2, which is *001032*, S Sculptoris. This star is not in the Cordoba Durchmusterung but its position for 1875 was found by measurement to be R.A. $0^h\ 8^m\ 52^s.5$, Dec. −32° 22′.9. It was compared with star o on five plates with the results, 4, 3, 3, 3, and 3 grades. The mean of these is 3.2 grades, or 0.32 magn., and the residuals are 1, 0, 0, 0, and 0. The magnitude of o on page 5 is 12.30, which added to 0.32, is 12.62. This magnitude is then used in the next line for deriving that of q.

TABLE III.

ADDITIONAL COMPARISON STARS.

No.	Des.	Name.	Let.	DM.	Magn.	R.A. 1900.	Dec. 1900.	C. S.	Mean.	Resid.	Magn.
						h. m. s.	° ′				
2	*001032*	S Sculptoris	p	..	..	0 8 52.5	−32 22.9	o, p	32	1 0 0 0 0	12.62
			q	..	..	0 8 7.6	−32 44.0	p, q	30	0 0 0	12.92
3	*001862*	S Tucanae	o	..	..	0 15 33.1	−62 25.6	n, o	40	0 0	11.73
			p	..	..	0 17 37.3	−62 22.4	o, p	27	0 0 *1*	12.00
			q	..	..	0 17 22.3	−62 13.5	p, q	30	0 0	12.30
4	*002546*	T Phoenicis	A	−47° 132	8.8	0 24 27.9	−47 43.5	A, a	45	1 0 1 0 0 1 1 1 0 1 0	8.30
			n	..	..	0 24 0.0	−47 9.9	m, n	40	*1* 0	12.77
5	*005475*	U Tucanae	r	..	..	0 56 13.0	−75 46.3	q, r	23	0 1 0 0 1 0	12.90
			s	..	..	0 56 43.2	−75 47.8	r, s	37	0 *1* 0	13.27
			t	..	..	0 56 42.5	−75 42.7	s, t	37	0 0 *1*	13.64
9	*022260*	S Horologii	o	..	..	2 21 55.5	−60 11.7	n, o	35	0 *1*	12.69
11	023133	R Trianguli	l^1	..	..	2 27 19.7	+33 33.6	k, l^1	35	0 *1*	12.26

No.	Des.	Name.	Let.	DM.	Magn.	R.A. 1900.	Dec. 1900.	C. S.	Mean.	Resid.	Magn.
						h. m. s.	° ′				
15	*031401*	X Ceti	p	..	..	3 11 42.9	− 1 35.6	o, p	35	*1* 0	13.62
21	*040725*	W Eridani	q	..	..	4 6 12.4	−25 27.5	p, q	33	0 1 0	12.47
24	*050022*	T Leporis	m	..	..	4 58 16.9	−22 7.7	l, m	37	0 *1* 0	11.51
30	*055686*	R Octantis	t	..	..	6 13 29	−86 19.4	s, t	33	1 0 0	12.21
			u	..	..	6 5 30	−86 27.9	t, u	35	0 *1* 0 *1*	12.56
			w	..	..	6 4 9	−86 29.2	u, w	40	0 0	12.96
33	070109	V Canis Min.	s^1	..	..	6 59 0.1	+ 9 8.3	r, s^1	30	0 0	13.70
			t^1	..	..	6 59 1.1	+ 9 8.7	s^1, t^1	33	1 0 0	14.03
45	083350	X Ursae Maj.	o	..	..	8 29 34.5	+50 46.4	n, o	30	0 0 0 0 0	12.93
			p	..	..	8 28 33.2	+50 44.4	o, p	30	0 0 0	13.23
			q	..	..	8 29 9.9	+50 39.0	p, q	30	0 0 0 0 0 0	13.53
47	090425	W Cancri	n^1	..	..	9 1 7.7	+25 41.7	m, n^1	25	0 *1*	13.57
50	*092048*	RS Velorum	u	..	..	9 19 26.1	−48 29.0	t, u	30	0 0	13.79
			w	..	..	9 18 53.9	−48 13.0	u, w	40	0 0	14.19
58	*103270*	RZ Carinae	t	..	..	10 32 18.6	−70 7.2	s, t	35	*1* 0	13.31
			u	..	..	10 31 58.5	−70 5.9	t, u	30	0 0	13.61
63	*111661*	RS Centauri	o	..	..	11 15 47.2	−61 10.0	n, o	25	0 1	12.90
64	*114441*	X Centauri	n	..	..	11 42 59.8	−41 3.3	m, n	30	0 0	13.05
69	*122657*	U Crucis	q	..	..	12 24 51.2	−57 3.0	p, q	40	0 0	13.33
			r	..	..	12 25 0.1	−57 2.4	q, r	40	0 0	13.73
			s	..	..	12 25 0.4	−57 1.2	r, s	40	1 *1*	14.13
			t	..	..	12 25 3.4	−57 0.5	s, t	35	*1* 0	14.48
70	*122854*	U Centauri	s	..	..	12 27 2.6	−54 0.1	r, s	42	0 0 1 0	12.38
78	*133155*	RV Centauri	o	..	..	13 29 54.8	−55 50.2	n, o	44	0 1 1 0 0	12.72
81	140113	Z Bootis	A	+14° 2702	9.3	14 0 9.9	+14 41.5	A, a	38	*1* 1 *1* 0	9.16
			o	..	..	13 58 32.8	+14 8.8	n, o	40	0 0	13.47
			p	..	..	13 58 46.1	+14 7.0	o, p	35	0 *1*	13.82
84	142205	RS Virginis	s	..	..	14 19 36.2	+ 5 33.7	r, s	42	0 *1* 1 1 *1* 1	13.45
87	*144646*a	S Lupi	u	..	..	14 45 24.8	−46 5.4	t, u	45	1 0	14.80
92	*150850*	W Lupi	t	..	..	15 6 58.2	−50 20.3	s, t	40	0 0	13.40
98	160210	U Serpentis	o^1	..	..	15 59 52.7	+10 22.5	n, o^1	37	0 *1* 0	12.01
104	*164844*	RS Scorpii	A	−44° 11339	6.8	16 51 10.8	−44 47.6	A, a	44	1 0 1 0 0 *1* 0	7.32
108	*170833*	RW Scorpii	q	..	..	17 5 56.3	−33 14.7	p, q	25	1 0	14.14
			r	..	..	17 5 59.7	−33 14.3	q, r	45	1 0	14.59
110	*171843*	SW Scorpii	s	..	..	17 16 7.4	−43 44.0	r, s	33	0 0 1	12.87
			t	..	..	17 16 6.6	−43 41.9	s, t	30	0 0	13.17
			u	..	..	17 16 7.4	−43 40.1	t, u	30	0 0	13.47
111	*172586*	S Octantis	r	..	..	17 30 5	−86 46.9	q, r	30	0 0	12.24
117	*174135*	SV Scorpii	s	..	..	17 40 31.5	−35 42.5	r, s	35	0 *1*	13.17
			t	..	..	17 40 24.3	−35 42.9	s, t	20	0 0	13.37
			u	..	..	17 40 9.5	−35 39.7	t, u	30	0 0	13.67
			w	..	..	17 40 32.9	−35 39.3	u, w	35	*1* 0	14.02
124	*180363*	R Pavonis	p	..	..	18 1 8.0	−63 38.6	o, p	40	1 *1*	12.02
127	*181949*	T Telescopii	t	..	..	18 17 9.8	−49 44.4	s, t	40	0 0	13.06

No.	Des.	Name.	Let.	DM.	Magn.	R.A. 1900.	Dec. 1900.	C. S.	Mean.	Resid.	Magn.
						h. m. s.	° ′				
			u	..	..	18 16 53.1	−49 44.1	t, u	43	0 0 1	13.49
128	*182133*	RV Sagittarii	s	..	..	18 19 29.8	−33 25.4	r, s	45	1 0	12.80
129	*182345*	Z Coronae Aust.	r	..	..	18 22 0.8	−44 59.6	q, r	53	1 1 *1*	13.17
133	*183838*	− Coronae Aust.	u	..	..	18 36 46.4	−38 53.8	t, u	25	0 1	13.50
			w	..	..	18 36 59.6	−38 55.3	u, w	45	0 1	13.95
136	*185512*a	ST Sagittarii	A	−12° 5236	8.7	18 52 2.1	−12 48.1	A, a	45	0 1	7.93
			w	..	..	18 53 20.2	−12 55.0	u, w	35	*1* 0	12.63
			x	..	..	18 53 17.1	−12 55.8	w, x	30	0 0	12.93
			y	..	..	18 53 26.2	−12 55.8	x, y	30	0 0	13.23
			z	..	..	18 53 11.0	−12 56.9	y, z	50	0 0	13.73
144	*190818*	RX Sagittarii	r	..	..	19 5 28.7	−19 1.4	q, r	30	0 0	13.78
			s	..	..	19 5 48.7	−19 2.8	r, s	40	0 0	14.18
			t	..	..	19 6 7.2	−19 4.6	s, t	35	0 *1*	14.53
148	*191331*	SW Sagittarii	p	..	..	19 11 50.3	−31 51.5	o, p	43	1 0 0	11.90
149	191517a	W Sagittae	q	..	..	19 13 16.2	+16 54.0	p, q	30	1 *1*	13.13
155	*193972*	T Pavonis	s	..	..	19 37 18.8	−72 10.8	r, s	35	0 *1*	12.54
157	194048	RT Cygni	A	+48° 2914	6.5	19 29 42.5	+48 55.5	A, B	39	0 1 *1* *1* 0 1 *1* 1 1 *1* *1* 0 0 0 1 0 0 *1*	7.00
			B	+48° 2939	8.2	19 38 42.4	+48 6.0	B, a	35	*1* 0 *1* *1* 0 0 *1* *1* *1* 1 *2* *1* *1* 0 0 *1* *1* 0 *1* *1* 0 1 0 *1* 0 0 0 1 0 *1* *1* 0 *1* *1*	7.39
			n^1	..	..	19 38 54.8	+48 17.9	m, n^1	44	0 1 0 1 0 0 0 1	11.43
			o^1	..	..	19 40 0.2	+48 14.3	n^1, o^1	28	0 0 0 *1* 0 0 0 *1*	11.71
			p^1	..	..	19 39 6.8	+48 20.3	o^1, p^1	30	0 0 0	12.01
			q^1	..	..	19 39 17.3	+48 21.7	p^1, q^1	27	0 0 0 *1* *1* 0 0	12.28
159	194604	X Aquilae	q	..	..	19 44 40.4	+ 4 9.5	p, q	45	0 1 1 0	12.40
160	*194659*	S Pavonis	A	−58° 7664	7.4	19 37 53.3	−58 1.7	A, a	55	*1* 0	7.19
161	*194929*	RR Sagittarii	A	−29° 16546	6.2	19 41 23.8	−29 5.5	A, a	59	*1* 0 *1* 0 0 0 1	7.11
162	*195142*	RU Sagittarii	o	..	..	19 48 28.6	−41 59.1	n, o	35	*1* 0 *1* 0	12.74
163	*195308*	RS Aquilae	o^1	..	..	19 51 33.0	− 8 13.5	n, o^1	35	*1* 0	12.53
			p^1	..	..	19 51 19.0	− 8 14.5	o^1, p^1	30	0 0	12.83
			q	..	..	19 51 17.2	− 8 15.4	p^1, q	30	0 0	13.13
167	*200747*	R Telescopii	t	..	..	20 4 27.4	−47 23.7	s, t	45	0 1	12.92
171	*201152*	X Telescopii	u	..	..	20 10 11.8	−52 53.7	t, u	35	*1* 0	12.98
			w	..	..	20 9 45.0	−52 58.5	u, w	40	0 0	13.38
			x	..	..	20 9 21.4	−52 58.3	w, x	45	0 1	13.83
			y	..	..	20 9 9.9	−53 0.6	x, y	50	1 *1*	14.33

No.	Des.	Name.	Let.	DM.	Mean.	R.A. 1900.	Dec. 1900.	C. S.	Mean.	Resid.	Magn.
						h. m. s.	° ′				
176	201434	AU Cygni	t	..	..	20 12 37.7	+33 55.7	s, t	35	0 *1*	14.47
178	*202240*	U Microscopii	A	−41° 14071	7.5	20 23 31.5	−41 18.9	A, a	50	1 *1*	7.82
			o	..	..	20 19 45.2	−40 53.3	n, o	34	0 0 1 2 *1*	12.46
			p	..	..	20 21 10.5	−40 52.7	o, p	45	1 0	12.91
182	*203429*	R Microscopii	r	..	..	20 33 27.5	−29 17.6	q, r	30	0 0	13.54
183	*204104*	W Aquarii	x	..	..	20 37 52.5	− 4 30.1	w, x	34	1 0 *1* 1 *1* 1 1 0	13.04
			y	..	..	20 37 26.4	− 4 34.5	x, y	33	0 0 1	13.37
185	*204763*	U Pavonis	o	..	..	20 46 25.9	−63 10.6	n, o	30	0 0	12.40
			p	..	..	20 46 9.1	−63 11.9	o, p	30	0 0	12.70
			q	..	..	20 45 14.5	−63 8.7	p, q	35	0 *1*	13.05
			r	..	..	20 44 55.9	−63 10.5	q, r	25	1 0	13.30
186	*204954*	S Indi	l	..	..	20 46 42.0	−54 45.0	k, l	28	0 0 0 0 *1*	12.19
			m	..	..	20 47 21.0	−54 51.6	l, m	30	0 0	12.49
187	*205782*	T Octantis	p	..	..	20 50 0	−82 22.4	o, p	30	0 0 0 0 0	12.88
			q	..	..	20 46 46	−82 19.4	p, q	44	*1* 1 1 1 1 *1* 0 1 1 0	13.32
			r	..	..	20 43 34	−82 25.0	q, r	36	0 0 *1* *0* *1*	13.68
194	*214247*	R Gruis	n	..	..	21 40 83	−47 26.7	m, n	30	0 0	12.28
			o	..	..	21 40 48.7	−47 27.3	n, o	46	0 *2* 0 0 0 0 *1*	12.74
197	215605	V Pegasi	p	..	..	21 54 1.6	+ 5 27.4	o, p	40	0 0	13.89
201	*221321*	X Aquarii	q	..	..	22 11 4.5	−21 36.7	p, q	43	1 0 0	12.87
			r	..	..	22 10 41.7	−21 34.5	q, r	47	0 *1* 0	13.34
203	*221722*	RT Aquarii	A	−22° 5910	8.5	22 17 38.5	−22 20.0	A, a	46	0 *1* 0 *1* 0	8.36
204	*221938*	T Gruis	n	..	..	22 18 32.3	−38 18.8	m, n	38	*1* *1* 1 0	11.55
			o	..	..	22 18 45.1	−38 10.1	n, o	30	1 *1*	11.85
205	*221948*	S Gruis	A	−50° 13701	6.8	22 23 20.0	−50 3.9	A, a	53	1 0 0	6.49
			q	..	..	22 17 18.8	−49 3.0	p, q	25	1 0 0 1	12.36
			r	..	..	22 17 45.2	−49 7.1	q, r	45	1 0	12.81
210	225914	RW Pegasi	s	..	..	22 55 47.0	+14 31.5	r, s	30	0 0	12.91
218	*235265*	R Tucanae	u	..	..	23 55 33.2	−66 14.5	t, u	45	1 0	13.84

The number of observations made each year is shown in Table IV. The number in Part I of this volume, designation, name, Durchmusterung number, and class of spectrum of the variable are given in the first five columns. The sixth column contains the number of observations in the years indicated in the headings of the column. The total number is contained in the seventh column.

TABLE IV.

NUMBER OF OBSERVATIONS IN SUCCESSIVE YEARS.

No.	Des.	Name.	DM.	Spect.	87 88 89 90	91 92 93 94 95	96 97 98 99 00	01 02 03 04 05	All.
1	*000339*	V Sculptoris	−39° 16	Md 7	..,.., 1, 3,	2, 1, 3, 6,12,	13, 5,10,23, 2,	2,10,22,19, 6	140
2	*001032*	S Sculptoris	−32° 69	Md 7	..,..,13, 4,	14, 2,15, 6,12,	23,10, 5,21,13,	14,24,28,35,19	258
3	*001862*	S Tucanae	−62° 28	Md 3	..,.., 3, 4,	3, 4,.., 9, 3,	16,10, 9,12,11,	18,17,20,27,20	186
4	*002546*	T Phoenicis	−47° 131	Md	..,.., 9, 1,	1, 3, 3, 2, 2,	7, 2, 6,14, 7,	4,14,28, 7,25	135
5	*005475*	U Tucanae	..	Md 7	..,.., 1,10,	4, 2,16, 9,10,	9,19, 8,21,31,	13,19,24,44,40	280
6	015354	U Persei	+54° 431	Md 6	12,.., 3,20,	29,26,36,49,23,	48,26, 8,20, 9,	20,35,59,63,72	560
9	*022260*	S Horologii	..	Md ?	..,.., 3, 2,	..,..,.., 6, 9,	6, 9, 4,15, 5,	6, 3, 3, 1,13	85
11	023133	R Trianguli	+33° 470	Md 7	1, 1, 1, 8,	11, 7,11, 4, 9,	10,15, 5, 5,28,	25,24,40,34,14	253
14	*025050*	R Horologii	−50° 860	Md 9	..,.., 5, 1,	2, 5,11, 7, 9,	19,12, 7,45,27,	19,30,36,30,20	285
15	*031401*	X Ceti	− 1° 475	Mb	.., 1, 2, 4,	8, 6, 9, 5,15,	10,13, 3,10, 8,	18,23,32,58,31	256
19	*035124*	T Eridani	−24° 1960	Md 4	..,.., 3, 1,	6, 2, 2, 9, 7,	25,15, 7,13,11,	9,15,17,21,22	185
21	*040725*	W Eridani	−25° 1766	Md	..,.., 3, 2,	5, 1, 2, 4, 3,	9,10, 2, 6, 3,	3, 4, 4,11, 8	80
22	*043738*	R Caeli	..	Md 9	..,.., 5, 1,	4, 4, 1, 5,11,	15,17, 7,14,10,	7,20,25,19,18	183
23	*044349*	R Pictoris	−49° 1439	Md 4	..,.., 6, 1,	4, 4, 4,18,11,	22,22, 6,20,10,	9,22,22,19,10	210
24	*050022*	T Leporis	−22° 995	Md 10	..,.., 4, 4,	1,.., 2, 6,16,	16,14, 7,20,14,	10,21,28,28,20	211
25	*050848*	S Pictoris	−48° 1671	Md 9	..,.., 2, 1,	1, 3, 4,12, 4,	7,11, 3,13,12,	6,11,11, 7, 3	111
26	*051247*	T Pictoris	−47° 1750	Md 5	..,.., 2, 1,	2, 2, 3, 6, 6,	6, 5, 7, 9, 9,	3,16,17,17, 6	117
27	*051533*	T Columbae	−33° 2251	Md 6	..,.., 4,..,	2, 3, 3, 6, 6,	14,22, 7,14,14,	7,19,14,12,11	158
29	*054629*	R Columbae	−29° 2538	Md 6	..,.., 3,..,	2, 1, 1, 7,10,	19,15, 3, 3, 5,	10, 9, 8,10, 7	113
30	*055686*	R Octantis	−86° 72	Md	..,..,30,24,	11, 3, 6,11,19,	33,36,16,39,35,	25,30,38,35,26	417
32	*065208*	X Monoc.	− 8° 1641	Md 4	..,..,..,..,	5, 6, 6, 2, 5,	5, 9, 8,14,17,	17,19,27,28,20	188
33	070109	V Can. Min.	+ 9° 1517a	Md 9	..,.., 1, 1,	2, 2, 4, 2, 7,	8, 9, 5,10, 5,	8, 8, 8,19,14	113
38	*074241*	W Puppis	−41° 3363	Md 3	..,.., 3,..,	.., 1,10, 4, 5,	25,15, 8, 9,13,	11,16,15,20,11	166
43	*082476*	R Chamael.	..	Md 6	..,.., 1, 1,	3, 1,.., 5, 5,	6, 2, 7, 6,11,	4, 5,11,11,11	90
44	*082405*	RT Hydrae	− 5° 2550	Md 9	.., 1, 1, 4,	4, 4, 9, 4, 6,	8, 8, 7,15,21,	30,31,40,51,36	280
45	083350	X Ursae Maj.	..	Md	..,..,.., 1,	.., 4, 6, 7, 2,	7, 4,10, 1,11,	3,15, 3,30, 3	107
47	090425	W Cancri	+25° 2053a	Md	..,.., 1, 5,	1, 3, 3, 5, 3,	10,11, 8, 6, 2,	6, 9,11,12, 7	103
49	*091868*	RW Carinae	−68° 921	Md	..,..,.., 3,	1, 2,.., 5, 1,	3, 5, 7, 4,12,	9,11, 5, 4, 7	79
50	*092048*	RS Velorum	−48° 4658	Md 9	..,.., 1, 1,	.., 3, 1, 4, 2,	6, 3, 2, 7,10,	12,17, 8,13, 2	92
56	*101058*	Z Carinae	..	Md	..,.., 1, 3,	2, 5, 8,11,15,	25,13, 6, 1, 4,	4, 4, 6, 5, 1	114
58	*103270*	RZ Carinae	..	Md 5	..,..,.., 8,	2, 1, 5, 3, 1,	1, 2, 4, 4, 8,	5,15, 8, 8, 6	81
59	*103361*	RX Carinae	..	..	..,.., 2, 3,	1, 2, 2, 6,14,	1, 2,19, 2, 5,	8, 3, 5, 1, 1	77
63	*111661*	RS Centauri	..	Md 5	..,.., 1, 2,	2, 7,10, 8,27,	26,34,16, 1,12,	14,19,11,12,19	221
64	*114441*	X Centauri	−41° 6787	Md 8	..,.., 3, 4,	..,.., 4, 4, 6,	20,19, 6, 4, 4,	11,18,22,16, 6	147
65	*115058*	W Centauri	−58° 3924	Md 8	..,.., 6, 3,	.., 1,17,11, 5,	20,25,16,12,12,	6,12,14,28,18	206
69	*122657*	U Crucis	..	Md	..,.., 3, 1,	.., 4,10,16,15,	18,13,10, 3, 7,	8, 3, 3, 2, 1	117
70	*122854*	U Centauri	..	Md 5	..,.., 6, 7,	1, 4, 9, 6,15,	18,21,12,14, 9,	17,19,17,29,21	225
71	*125057*	V Crucis	..	Pec.	..,.., 2, 1,	.., 3, 9, 8,13,	11,14, 8,10, 8,	12,18, 8,12, 8	145
78	*133155*	RV Centauri	−55° 5650	N	..,.., 5, 1,	1, 2, 6, 5, 6,	8, 9, 2, 7,17,	22,32, 8,10,34	175
81	140113	Z Bootis	+14° 2700	Md	..,..,.., 1,	2, 1, 2, 3, 2,	4, 2,10, 3,13,	10, 9, 5,19,34	120
84	142205	RS Virginis	+ 5° 2880a	Md 8	1,..,.., 2,	3,18, 8,10, 9,	24,19,14,23,20,	17,22,19,21,22	252
87	*144646*a	S Lupi	..	Md	..,.., 2, 3,	11, 3, 8, 7, 9,	18,17, 8, 7,12,	6, 2, 4, 4, 4	125
92	*150850*	W Lupi	..	..	..,.., 3, 1,	4,.., 1, 5, 7,	4, 1, 4, 2, 6,	2, 5, 6, 2, 3	56
93	*151822*	RS Librae	..	Md 7	..,.., 7, 2,	10, 7, 3, 5,10,	29,22, 5,13,19,	19,16,22,17,19	225
96	*152714*	RU Librae	−14° 4228	Md 6	.., 2, 2, 1,	2, 1, 5, 2,19,	29,29, 6,11,15,	25,29,12, 9, 3	202
97	153378	S Ursae Min.	+79° 467a	Md 8	..,..,.., 7,	3, 6, 5,13,55,	41,28,11,28,34,	43,75,65,46,22	482

No	Des.	Name.	DM.	Spect.	87 88 89 90	91 92 93 94 95	96 97 98 99 00	01 02 03 04 05	All.
98	160210	U Serpentis	+10° 2956	Md 5	..,..,.., 1,	2, 3, 6, 3, 6,	6, 7, 5,17,14,	18,28,12,32,28	188
104	*164844*	RS Scorpii	−44° 11274	Md	..,.., 7, 7,	8,11,15,13,21,	28,18, 7,15,17,	23,29,43,38,33	333
105	*165030*	RR Scorpii	−30° 13626	Md 9	..,.., 4, 7,	4, 4, 9, 4,29,	46,36,11,33,25,	35,41,48,46,40	422
107	*165636*	RT Scorpii	..	Md 6	..,.., 2, 8,	8, 4, 4, 3,19,	27,23, 8, 4, 4,	13,27,19, 2, 3	178
108	*170833*	RW Scorpii	..	Md 4	..,.., 2, 7,	3, 3, 5, 5,21,	29,14, 8, 4, 3,	3, 4, 5, 7,17	140
109	171401	Z Ophiuchi	+ 1° 3417	Md	.., 1,.., 2,	10, 5,16, 9,15,	13,15,12,14,13,	27,18,15,28,23	236
110	*171843*	SW Scorpii	−43° 11672	Md	..,.., 6, 3,	3, 2, 2, 7, 9,	15,13, 6,12, 7,	18,18,11,17,13	162
111	*172586*	S Octantis	−86° 346	Md	..,..,18,18,	12,19,29,22,19,	20,51,25,39,36,	35,42,46,53,45	529
113	*173543*	RU Scorpii	..	Md 9	..,..,10, 3,	2, 5, 6, 5,10,	15,13, 4,14, 7,	16, 8,18,11,15	162
116	*174162*	W Pavonis	..	Md 8	..,.., 3, 1,	..,.., 5, 5,10,	17,16, 6,16,12,	18,10,22,25,10	176
117	*174135*	SV Scorpii	..	Md 7	..,.., 2, 5,	3,.., 4, 2, 1,	8,11, 3, 6, 6,	9,11,14,17,13	115
119	*174551*	U Arae	−51° 11224	Md 6	..,.., 8, 2,	3, 1, 9, 7, 3,	10,11, 6,17,11,	14,23,23,24,19	191
120	*174748*	V Arae	−48° 12145	Md 8	..,.., 3, 4,	5,.., 8, 5, 7,	9, 8, 7,13,10,	11, 5,10, 5, 4	114
124	*180363*	R Pavonis	−63° 4323	Md 4	..,.., 9,..,	8, 5, 5, 9,14,	22,18, 8,16,16,	28,20,21,21,32	252
127	*181949*	T Telescopii	..	Md	..,.., 6, 2,	2,.., 1, 5, 3,	3, 5, 7, 7, 4,	5, 7, 8, 8, 5	78
128	*182133*	RV Sagittarii	−33° 13234	Md 6	..,.., 9, 2,	6,.., 4, 2,16,	22,27, 8,12, 7,	13,25,39,21,22	235
129	*182345*	Z Coronae Aust.	..	Md 5	..,.., 3, 2,	1,.., 2, 2, 5,	2, 3, 5, 8, 1,	6, 4, 7, 9, 6	66
133	*183838*	− Coronae Aust.	..	..	..,.., 3, 3,	2,..,14, 7,13,	17,11,10, 8, 4,	5,22,12, 6,13	150
136	*185512*a	ST Sagittarii	..	Md	.., 2,.., 1,	2, 2, 2, 2, 2,	2, 5, 3,14, 8,	22,16,14, 5,11	113
141	*190049*	U Telescopii	..	Md 3	..,.., 4, 2,	6, 1, 6, 6, 5,	3, 7, 5,12,10,	5, 6, 8,14,20	120
144	*190818*	RX Sagittarii	..	Md 4	.., 1, 2, 1,	2, 1, 3, 6,25,	18,25, 5, 6, 1,	7,10, 4,11,21	149
148	*191331*	SW Sagittarii	−31° 16579	Md 8	..,.., 3, 2,	2,.., 2, 1, 5,	6,10, 2, 4, 3,	3, 3, 9, 3, 5	63
149	191517a	W Sagittae	..	Md ?	..,..,.., 3,	.., 1, 3, 1, 2,	8, 6, 4,11, 7,	7,22,29,16,12	132
155	*193972*	T Pavonis	−72° 2452	Md 4	..,.., 6, 1,	9, 2, 7,10,15,	9,14, 4,14,11,	24,16,35,35,22	234
157	194048	RT Cygni	+48° 2942	Md 5	3,..,..,19,	7, 6, 8,12,13,	24,15,12,18,26,	40,47,97,61,41	449
158	*194350*	W Telescopii	..	Md 7	..,.., 5, 4,	2,.., 5, 4,11,	11,11, 5,18, 6,	6,16,21,27,15	167
159	194604	X Aquilae	+ 4° 4250	Md 7	.., 2,.., 2,	3, 6,11, 5,11,	12,12,10,12,11,	8,11, 9, 8,10	143
160	*194659*	S Pavonis	−59° 7544	Md 9	..,.., 6,..,	7, 6, 7,14,18,	18,17,11,30,22,	47,48,51,64,51	417
161	*194929*	RR Sagittarii	−29° 16646	Md 7	..,.., 6, 1,	5, 9,12, 8,21,	23,19, 5,15, 6,	10,28,43,52,57	320
162	*195142*	RU Sagittarii	−42° 14584	Md 7	..,.., 5, 1,	8, 4,16, 9,24,	38,30,15,17,23,	19,32,28,48,42	359
163	*195308*	RS Aquilae	..	Md 3	.., 2,.., 2,	3, 3, 3, 3, 6,	19,16, 5, 3, 5,	8, 8,16,22,27	151
165	200212	SY Aquilae	+12° 4228	Md 5	..,..,.., 1,	1, 7, 4, 2,..,	11, 6, 3,13,14,	12,27,26,50,49	226
167	*200747*	R Telescopii	−47° 13305	Md 8	..,.., 7, 1,	1, 4,11, 9,11,	8,12, 6,14, 4,	15,37,25, 9, 6	180
168	*200844*	RZ Sagittarii	−44° 13831	Nap	..,.., 5, 2,	4, 4,12,13,34,	35,23,16,29,16,	24,38,33,40,43	371
170	*201139*	RT Sagittarii	−39° 13722	Md 8	..,.., 5, 3,	4, 4,15,12,27,	33,21,13,30,16,	21,16,30,43,42	335
171	*201152*	X Telescopii	..	Md 5	..,.., 6, 4,	1, 2, 3, 3, 6,	4, 4, 5,17, 5,	4, 6, 7, 5, 7	89
176	201434	AU Cygni	..	Md 6	..,..,.., 2,	6, 8, 8, 6, 5,	5, 4, 3, 6, 6,	5, 3,17,21,18	123
178	*202240*	U Microscopii	−40° 13888	Md 9	..,..,10,..,	3, 3, 5, 5,10,	17,10,11,15,12,	10, 7,10, 9,14	151
182	*203429*	R Microscopii	−29° 17235	Md 6	..,.., 5, 1,	2, 1, 4, 5,16,	17,16, 7,14, 9,	12,14,26,28,24	201
183	*204104*	W Aquarii	..	Md 8	..,..,.., 4,	7, 3, 5, 5, 6,	14,16, 8,16, 7,	20,40,25,28,39	243
184	204318	V Delphini	+18° 4260a	Md 5	..,..,.., 9,	6, 6, 3, 6,13,	14, 7, 4,11, 4,	.., 8,10, 4,13	118
185	*204763*	U Pavonis	..	Md 4	..,.., 3,..,	5, 2, 3, 5, 8,	16, 9, 5,13, 4,	11,16,18,14, 9	141
186	*204954*	S Indi	−54° 8772	Md 8	..,.., 3,..,	3, 2, 6, 9,14,	21,10, 7, 7, 2,	3,12,13,17,17	146
187	*205782*	T Octantis	..	Md 3	..,.., 4, 6,	4,.., 3, 7, 9,	15, 9,10, 9,15,	16,20,18,22,21	188
192	*211741*	V Microscopii	..	Md 6	..,.., 7, 1,	3,.., 2, 3, 6,	3, 4, 4, 8, 8,	13,10,16,17, 8	113
194	*214247*	R Gruis	..	Md 6	..,.., 6, 1,	3, 2, 4, 2, 7,	3, 5, 3, 9,11,	7,17,30,43,34	187
197	215605	V Pegasi	+ 5° 4928	Md 4	..,.., 1, 3,	6, 4, 4, 3, 8,	8, 9,10,22,10,	6,21,41,32,23	211
198	220133b	RZ Pegasi	+32° 4335	Md 2	..,.., 1, 1,	4, 3, 4, 3, 1,	3, 4, 4, 3, 2,	3, 3,.., 5, 3	47
201	*221321*	X Aquarii	..	Md 4	..,.., 6, 2,	1,.., 4, 3,15,	21, 7, 3,17,20,	24,20, 7,11,16	177
203	*221722*	RT Aquarii	−22° 5901	Md ?	..,.., 5, 2,	3,.., 4, 3,17,	27,18, 4,13,12,	23,22,23,22,15	213

No.	Des.	Name.	DM.	Spect.	87 88 89 90	91 92 93 94 95	96 97 98 99 00	01 02 03 04 05	All.
204	*221938*	T Gruis	−38° 15044	Md 3	. ., . ., 8, 4,	7, 2, 8, 7, 6,	18,15, 8,19,18,	23,21,24,22,24	234
205	*221948*	S Gruis	. .	Md 8	. ., . ., 8, 1,	2, 1, 2, 7,10,	21,15, 7,20,17,	8,11, 9,16,24	179
207	222439	S Lacertae	+39° 4851	Md 8	. ., . ., . ., 2,	7,13, 8, 7, 8,	11,13, 7, 9,14,	16,16,28,23,17	199
210	225914	RW Pegasi	+14° 4925	Md 5	. ., . ., 1, 3,	3, 6, 9, 4, . .,	4, 5, 7, 6, 8,	26, 9, 7,10,10	118
213	232848	Z Androm.	+48° 4093	Md ?	3, . ., . ., 3,	3, 5, 6, 1, 4,	9,10,11,14, 8,	26,37,40,38,18	236
214	233335	ST Androm.	+34° 4974	N	. ., . ., . ., 1,	4, 4, 2, 4, 2,	3, 5, 5, 3, 4,	5, 9, 9, 6, 2	68
215	*234716*	Z Aquarii	−16° 6379	Md 3	. ., 3, 7, 5,	4, 2, 8, 6, 6,	28,17,10,23,13,	24,21,28,37,27	269
218	*235265*	R Tucanae	−66° 3816	Md	. ., . ., . ., 1,	7, 3, 3, 7,11,	15,11, 7,12, 5,	4,12,20, 6,14	138
219	*235357*	S Phoenicis	−57° 10393	Md 6	. ., . ., 4, . .,	2, 4, 9,13,14,	12, 9, 3,30,17,	19,19,30,23,28	236
220	235525	Z Pegasi	+25° 5054	Md ?	. ., . ., . ., 3,	7, 3, 3,21, 6,	9,17, 7, 4, 7,	19,30,35,35,20	226
221	235855	Y Cassiop.	. .	Md 8	2, . ., 1, 5,	4, 4,11,12, 4,	10,14, 3, 4, 2,	4, 6, 5, 2, 3	96

A count of the separate years shows that two observations of 015354, and one of 235855 were made in 1885. The total number in 1885 is 3; in the five years 1886 to 1890, 0, 22, 16, 389, 345, respectively; in the years 1891 to 1895, 427, 375, 685, 737, 1124; in the years 1896 to 1900, 1617, 1436, 782, 1392, 1197; in the years 1901 to 1905, 1463, 1931, 2186, 2300, and 1987. Accordingly, the total number of observations contained in Table I is 20,414.

END OF VOLUME XLVII.

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